

## SEQUENCE LISTING

&lt;110&gt; INCYTE GENOMICS, INC.

LAL, Preeti

YUE, Henry

TANG, Y. Tom

BANDMAN, Olga

BURFORD, Neil

AZIMZAI, Yalda

BAUGHN, Mariah R.

LU, Dyung Aina M.

PATTERSON, Chandra

&lt;120&gt; MEMBRANE ASSOCIATED PROTEINS

&lt;130&gt; PF-0731 PCT

&lt;140&gt; To Be Assigned

&lt;141&gt; Herewith

&lt;150&gt; 60/149,641; 60/164,203

&lt;151&gt; 1999-08-17; 1999-11-09

&lt;160&gt; 74

&lt;170&gt; PERL Program

&lt;210&gt; 1

&lt;211&gt; 351

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 112301CD1

&lt;400&gt; 1

Met	Thr	Leu	Arg	Leu	Leu	Glu	Asp	Trp	Cys	Arg	Gly	Met	Asp	Met
1				5					10					15
Asn	Pro	Arg	Lys	Ala	Leu	Leu	Ile	Ala	Gly	Ile	Ser	Gln	Ser	Cys
				20					25					30
Ser	Val	Ala	Glu	Ile	Glu	Glu	Ala	Leu	Gln	Ala	Gly	Leu	Ala	Pro
				35					40					45
Leu	Gly	Glu	Tyr	Arg	Leu	Leu	Gly	Arg	Met	Phe	Arg	Arg	Asp	Glu
				50					55					60
Asn	Arg	Lys	Val	Ala	Leu	Val	Gly	Leu	Thr	Ala	Glu	Thr	Ser	His
				65					70					75
Ala	Leu	Val	Pro	Lys	Glu	Ile	Pro	Gly	Lys	Gly	Gly	Ile	Trp	Arg
				80					85					90
Val	Ile	Phe	Lys	Pro	Pro	Asp	Pro	Asp	Asn	Thr	Phe	Leu	Ser	Arg
				95					100					105
Leu	Asn	Glu	Phe	Leu	Ala	Gly	Glu	Gly	Met	Thr	Val	Gly	Glu	Leu
				110					115					120
Ser	Arg	Ala	Leu	Gly	His	Glu	Asn	Gly	Ser	Leu	Asp	Pro	Glu	Gln
				125					130					135
Gly	Met	Ile	Pro	Glu	Met	Trp	Ala	Pro	Met	Leu	Ala	Gln	Ala	Leu
				140					145					150
Glu	Ala	Leu	Gln	Pro	Ala	Leu	Gln	Cys	Leu	Lys	Tyr	Lys	Lys	Leu
				155					160					165
Arg	Val	Phe	Ser	Gly	Arg	Glu	Ser	Pro	Glu	Pro	Gly	Glu	Glu	Glu
				170					175					180
Phe	Gly	Arg	Trp	Met	Phe	His	Thr	Thr	Gln	Met	Ile	Lys	Ala	Trp

Gln Val Pro Asp	185	Val Glu Lys Arg Arg	190	Arg Leu Leu Glu Ser	195
Arg Gly Pro Ala	200	Leu Asp Val Ile Arg	205	Val Leu Lys Ile Asn	210
Pro Leu Ile Thr	215	Val Asp Glu Cys Leu	220	Gln Ala Leu Glu Glu	225
Phe Gly Val Thr	230	Asp Asn Pro Arg Glu	235	Leu Gln Val Lys Tyr	240
Thr Thr Tyr Gln	245	Lys Asp Glu Glu Lys	250	Leu Ser Ala Tyr Val	255
Arg Leu Glu Pro	260	Leu Leu Gln Lys Leu	265	Val Gln Arg Gly Ala	270
Glu Arg Asp Ala	275	Val Asn Gln Ala Arg	280	Leu Asp Gln Val Ile	285
Gly Ala Val His	290	Lys Thr Ile Arg Arg	295	Glu Leu Asn Leu Pro	300
Asp Gly Pro Ala	305	Pro Gly Phe Leu Gln	310	Leu Leu Val Leu Ile	315
Asp Tyr Glu Ala	320	Ala Glu Glu Glu Glu	325	Ala Leu Leu Gln Ala	330
Leu Glu Gly Asn	335	Phe Thr	340		345
	350				

&lt;210&gt; 2

&lt;211&gt; 458

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 997947CD1

&lt;400&gt; 2

Met Gln Ala Thr	Ser Asn Leu Leu Asn	Leu Leu Leu Leu Ser	Leu
1	5	10	15
Phe Ala Gly Leu	Asp Pro Ser Lys Thr	Gln Ile Ser Pro Lys	Glu
20	25	30	
Gly Trp Gln Val	Tyr Ser Ser Ala Gln	Asp Pro Asp Gly Arg	Cys
35	40	45	
Ile Cys Thr Val	Val Ala Pro Glu Gln	Asn Leu Cys Ser Arg	Asp
50	55	60	
Ala Lys Ser Arg	Gln Leu Arg Gln Leu	Leu Glu Lys Val Gln	Asn
65	70	75	
Met Ser Gln Ser	Ile Glu Val Leu Asn	Leu Arg Thr Gln Arg	Asp
80	85	90	
Phe Gln Tyr Val	Leu Lys Met Glu Thr	Gln Met Lys Gly Leu	Lys
95	100	105	
Ala Lys Phe Arg	Gln Ile Glu Asp Asp	Arg Lys Thr Leu Met	Thr
110	115	120	
Lys His Phe Gln	Glu Leu Lys Glu Lys	Met Asp Glu Leu Leu	Pro
125	130	135	
Leu Ile Pro Val	Leu Glu Gln Tyr Lys	Thr Asp Ala Lys Leu	Ile
140	145	150	
Thr Gln Phe Lys	Glu Glu Ile Arg Asn	Leu Ser Ala Val Leu	Thr
155	160	165	
Gly Ile Gln Glu	Glu Ile Gly Ala Tyr	Asp Tyr Glu Glu Leu	His
170	175	180	
Gln Arg Val Leu	Ser Leu Glu Thr Arg	Leu Arg Asp Cys Met	Lys
185	190	195	
Lys Leu Thr Cys	Gly Lys Leu Met Lys	Ile Thr Gly Pro Val	Thr
200	205	210	
Val Lys Thr Ser	Gly Thr Arg Phe Gly	Ala Trp Met Thr Asp	Pro
215	220	225	

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<210> 3
<211> 219
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 1521513CD1
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1				5					10					15	
Cys	Phe	Ser	Ser	Gln	Met	Phe	Leu	Trp	Thr	Val	Ala	Gly	Ile	Pro	
				20					25					30	
Ile	Leu	Phe	Leu	Ser	Ala	Cys	Phe	Ile	Thr	Arg	Cys	Val	Val	Thr	
				35					40					45	
Phe	Arg	Ile	Phe	Gln	Thr	Cys	Asp	Glu	Lys	Lys	Phe	Gln	Leu	Pro	
				50					55					60	
Glu	Asn	Phe	Thr	Glu	Leu	Ser	Cys	Tyr	Asn	Tyr	Gly	Ser	Gly	Ser	
				65					70					75	
Val	Lys	Asn	Cys	Cys	Pro	Leu	Asn	Trp	Glu	Tyr	Phe	Gln	Ser	Ser	
				80					85					90	
Cys	Tyr	Phe	Phe	Ser	Thr	Asp	Thr	Ile	Ser	Trp	Ala	Leu	Ser	Leu	
				95					100					105	
Lys	Asn	Cys	Ser	Ala	Met	Gly	Ala	His	Leu	Val	Val	Ile	Asn	Ser	
				110					115					120	
Gln	Glu	Glu	Gln	Glu	Phe	Leu	Ser	Tyr	Lys	Lys	Pro	Lys	Met	Arg	
				125					130					135	
Glu	Phe	Phe	Ile	Gly	Leu	Ser	Asp	Gln	Val	Val	Glu	Gly	Gln	Trp	
				140					145					150	
Gln	Trp	Val	Asp	Gly	Thr	Pro	Leu	Thr	Lys	Ser	Leu	Ser	Phe	Trp	

Asp Val Gly Glu	155	Pro Asn Asn Ile Ala	160	Thr Leu Glu Asp Cys	165
Thr Met Arg Asp	170	Ser Ser Asn Pro Arg	175	Gln Asn Trp Asn Asp	180
Thr Cys Phe Leu	185	Asn Tyr Phe Arg Ile	190	Cys Glu Met Val Gly	195
Asn Pro Leu Asn	200	Lys Gly Lys Ser Leu	205		210
	215				

&lt;210&gt; 4

&lt;211&gt; 276

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1863994CD1

&lt;400&gt; 4

Met Glu Ser Arg	Met	Trp Pro Ala Leu	Leu Leu Ser His Leu Leu
1	5	10	15
Pro Leu Trp Pro	Leu Leu Leu Pro	Leu Pro Pro Pro Ala Gln	
20	25	30	
Gly Ser Ser Ser	Ser Pro Arg Thr Pro	Pro Ala Pro Ala Arg Pro	
35	40	45	
Pro Cys Ala Arg	Gly Gly Pro Ser Ala	Pro Arg His Val Cys Val	
50	55	60	
Trp Glu Arg Ala	Pro Pro Ser Arg Ser	Pro Arg Val Pro Arg	
65	70	75	
Ser Arg Arg Gln	Val Leu Pro Gly Thr	Ala Pro Pro Ala Thr Pro	
80	85	90	
Ser Gly Phe Glu	Glu Gly Pro Pro Ser	Ser Gln Tyr Pro Trp Ala	
95	100	105	
Ile Val Trp Gly	Pro Thr Val Ser Arg	Glu Asp Gly Gly Asp Pro	
110	115	120	
Asn Ser Ala Asn	Pro Gly Phe Leu Asp	Tyr Gly Phe Ala Ala Pro	
125	130	135	
His Gly Leu Ala	Thr Pro His Pro Asn	Ser Asp Ser Met Arg Gly	
140	145	150	
Asp Gly Asp Gly	Leu Ile Leu Gly Glu	Ala Pro Ala Thr Leu Arg	
155	160	165	
Pro Phe Leu Phe	Gly Gly Arg Gly Glu	Gly Val Asp Pro Gln Leu	
170	175	180	
Tyr Val Thr Ile	Thr Ile Ser Ile Ile	Ile Val Leu Val Ala Thr	
185	190	195	
Gly Ile Ile Phe	Lys Phe Cys Trp Asp	Arg Ser Gln Lys Arg Arg	
200	205	210	
Arg Pro Ser Gly	Gln Gln Gly Ala Leu	Arg Gln Glu Glu Ser Gln	
215	220	225	
Gln Pro Leu Thr	Asp Leu Ser Pro Ala	Gly Val Thr Val Leu Gly	
230	235	240	
Ala Phe Gly Asp	Ser Pro Thr Pro Thr	Pro Asp His Glu Glu Pro	
245	250	255	
Arg Gly Gly Pro	Arg Pro Gly Met Pro	His Pro Lys Gly Ala Pro	
260	265	270	
Ala Phe Gln Leu	Asn Arg		
275			

&lt;210&gt; 5

&lt;211&gt; 375

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;



&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2071941CD1

&lt;400&gt; 5

Met	Ser	Ser	His	Lys	Gly	Ser	Val	Val	Ala	Gln	Gly	Asn	Gly	Ala
1				5					10					15
Pro	Ala	Ser	Asn	Arg	Glu	Ala	Asp	Thr	Val	Glu	Leu	Ala	Glu	Leu
				20					25					30
Gly	Pro	Leu	Leu	Glu	Glu	Lys	Gly	Lys	Arg	Val	Ile	Ala	Asn	Pro
				35					40					45
Pro	Lys	Ala	Glu	Glu	Glu	Gln	Thr	Cys	Pro	Val	Pro	Gln	Glu	Glu
				50					55					60
Glu	Glu	Glu	Val	Arg	Val	Leu	Thr	Leu	Pro	Leu	Gln	Ala	His	His
				65					70					75
Ala	Met	Glu	Lys	Met	Glu	Glu	Phe	Val	Tyr	Lys	Val	Trp	Glu	Gly
				80					85					90
Arg	Trp	Arg	Val	Ile	Pro	Tyr	Asp	Val	Leu	Pro	Asp	Trp	Leu	Lys
				95					100					105
Asp	Asn	Asp	Tyr	Leu	Leu	His	Gly	His	Arg	Pro	Pro	Met	Pro	Ser
				110					115					120
Phe	Arg	Ala	Cys	Phe	Lys	Ser	Ile	Phe	Arg	Ile	His	Thr	Glu	Thr
				125					130					135
Gly	Asn	Ile	Trp	Thr	His	Leu	Leu	Gly	Phe	Val	Leu	Phe	Leu	Phe
				140					145					150
Leu	Gly	Ile	Leu	Thr	Met	Leu	Arg	Pro	Asn	Met	Tyr	Phe	Met	Ala
				155					160					165
Pro	Leu	Gln	Glu	Lys	Val	Val	Phe	Gly	Met	Phe	Phe	Leu	Gly	Ala
				170					175					180
Val	Leu	Cys	Leu	Ser	Phe	Ser	Trp	Leu	Phe	His	Thr	Val	Tyr	Cys
				185					190					195
His	Ser	Glu	Lys	Val	Ser	Arg	Thr	Phe	Ser	Lys	Leu	Asp	Tyr	Ser
				200					205					210
Gly	Ile	Ala	Leu	Leu	Ile	Met	Gly	Ser	Phe	Val	Pro	Trp	Leu	Tyr
				215					220					225
Tyr	Ser	Phe	Tyr	Cys	Ser	Pro	Gln	Pro	Arg	Leu	Ile	Tyr	Leu	Ser
				230					235					240
Ile	Val	Cys	Val	Leu	Gly	Ile	Ser	Ala	Ile	Ile	Val	Ala	Gln	Trp
				245					250					255
Asp	Arg	Phe	Ala	Thr	Pro	Lys	His	Arg	Gln	Thr	Arg	Ala	Gly	Val
				260					265					270
Phe	Leu	Gly	Leu	Gly	Leu	Ser	Gly	Val	Val	Pro	Thr	Met	His	Phe
				275					280					285
Thr	Ile	Ala	Glu	Gly	Phe	Val	Lys	Ala	Thr	Thr	Val	Gly	Gln	Met
				290					295					300
Gly	Trp	Phe	Phe	Leu	Met	Ala	Val	Met	Tyr	Ile	Thr	Gly	Ala	Gly
				305					310					315
Leu	Tyr	Ala	Ala	Arg	Ile	Pro	Glu	Arg	Phe	Phe	Pro	Gly	Lys	Phe
				320					325					330
Asp	Ile	Trp	Phe	Gln	Ser	His	Gln	Ile	Phe	His	Val	Leu	Val	Val
				335					340					345
Ala	Ala	Ala	Phe	Val	His	Phe	Tyr	Gly	Val	Ser	Asn	Leu	Gln	Glu
				350					355					360
Phe	Arg	Tyr	Gly	Leu	Glu	Gly	Gly	Cys	Thr	Asp	Asp	Thr	Leu	Leu
				365					370					375

&lt;210&gt; 6

&lt;211&gt; 249

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2172512CD1

&lt;400&gt; 6

Met	Ser	Gly	Val	Val	Pro	Thr	Ala	Pro	Glu	Gln	Pro	Ala	Gly	Glu
1				5					10					15
Met	Glu	Asn	Gln	Thr	Lys	Pro	Pro	Asp	Pro	Arg	Pro	Asp	Ala	Pro
				20					25					30
Pro	Glu	Tyr	Ser	Ser	His	Phe	Leu	Pro	Gly	Pro	Pro	Gly	Thr	Ala
				35					40					45
Val	Pro	Pro	Pro	Thr	Gly	Tyr	Pro	Gly	Gly	Leu	Pro	Met	Gly	Tyr
				50					55					60
Tyr	Ser	Pro	Gln	Gln	Pro	Ser	Thr	Phe	Pro	Leu	Tyr	Gln	Pro	Val
				65					70					75
Gly	Gly	Ile	His	Pro	Val	Arg	Tyr	Gln	Pro	Gly	Lys	Tyr	Pro	Met
				80					85					90
Pro	Asn	Gln	Ser	Val	Pro	Ile	Thr	Trp	Met	Pro	Gly	Pro	Thr	Pro
				95					100					105
Met	Ala	Asn	Cys	Pro	Pro	Gly	Leu	Glu	Tyr	Leu	Val	Gln	Leu	Asp
				110					115					120
Asn	Ile	His	Val	Leu	Gln	His	Phe	Glu	Pro	Leu	Glu	Met	Met	Thr
				125					130					135
Cys	Phe	Glu	Thr	Asn	Asn	Arg	Tyr	Asp	Ile	Lys	Asn	Asn	Ser	Asp
				140					145					150
Gln	Met	Val	Tyr	Ile	Val	Thr	Glu	Asp	Thr	Asp	Asp	Phe	Thr	Arg
				155					160					165
Asn	Ala	Tyr	Arg	Thr	Leu	Arg	Pro	Phe	Val	Leu	Arg	Val	Thr	Asp
				170					175					180
Cys	Met	Gly	Arg	Glu	Ile	Met	Thr	Met	Gln	Arg	Pro	Phe	Arg	Cys
				185					190					195
Thr	Cys	Cys	Cys	Phe	Cys	Cys	Pro	Ser	Ala	Arg	Gln	Glu	Leu	Glu
				200					205					210
Val	Gln	Cys	Pro	Pro	Gly	Val	Thr	Ile	Gly	Phe	Val	Ala	Glu	His
				215					220					225
Trp	Asn	Leu	Cys	Arg	Ala	Val	Tyr	Ser	Ile	Gln	Lys	Lys	Lys	Lys
				230					235					240
Lys	Ile	Ala	Ala	Gln	Ala	Tyr	Ser	Leu						
				245										

&lt;210&gt; 7

&lt;211&gt; 353

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2483172CD1

&lt;400&gt; 7

Met	Ala	Met	Thr	Leu	Leu	Glu	Asp	Trp	Cys	Arg	Gly	Met	Asp	Val
1				5					10					15
Asn	Ser	Gln	Arg	Ala	Leu	Leu	Val	Trp	Gly	Ile	Pro	Val	Asn	Cys
				20					25					30
Asp	Glu	Ala	Glu	Ile	Glu	Glu	Thr	Leu	Gln	Ala	Ala	Met	Pro	Gln
				35					40					45
Val	Ser	Tyr	Arg	Met	Leu	Gly	Arg	Met	Phe	Trp	Arg	Glu	Glu	Asn
				50					55					60
Ala	Lys	Ala	Ala	Leu	Leu	Glu	Leu	Thr	Gly	Ala	Val	Asp	Tyr	Ala
				65					70					75
Ala	Ile	Pro	Arg	Glu	Met	Pro	Gly	Lys	Gly	Gly	Val	Trp	Lys	Val
				80					85					90
Leu	Phe	Lys	Pro	Pro	Thr	Ser	Asp	Ala	Glu	Phe	Leu	Glu	Arg	Leu
				95					100					105
His	Leu	Phe	Leu	Ala	Arg	Glu	Gly	Trp	Thr	Val	Gln	Asp	Val	Ala
				110					115					120
Arg	Val	Leu	Gly	Phe	Gln	Asn	Pro	Thr	Pro	Thr	Pro	Gly	Pro	Glu
				125					130					135

Met	Pro	Ala	Glu	Met	Leu	Asn	Tyr	Ile	Leu	Asp	Asn	Val	Ile	Gln
				140					145					150
Pro	Leu	Val	Glu	Ser	Ile	Trp	Tyr	Lys	Arg	Leu	Thr	Leu	Phe	Ser
				155					160					165
Gly	Arg	Asp	Ile	Pro	Gly	Pro	Gly	Glu	Glu	Thr	Phe	Asp	Pro	Trp
				170					175					180
Leu	Glu	His	Thr	Asn	Glu	Val	Leu	Glu	Glu	Trp	Gln	Val	Ser	Asp
				185					190					195
Val	Glu	Lys	Arg	Arg	Arg	Leu	Met	Glu	Ser	Leu	Arg	Gly	Pro	Ala
				200					205					210
Ala	Asp	Val	Ile	Arg	Ile	Leu	Lys	Ser	Asn	Asn	Pro	Ala	Ile	Thr
				215					220					225
Thr	Ala	Glu	Cys	Leu	Lys	Ala	Leu	Glu	Gln	Val	Phe	Gly	Ser	Val
				230					235					240
Glu	Ser	Ser	Arg	Asp	Ala	Gln	Ile	Lys	Phe	Leu	Asn	Thr	Tyr	Gln
				245					250					255
Asn	Pro	Gly	Glu	Lys	Leu	Ser	Ala	Tyr	Val	Ile	Arg	Leu	Glu	Pro
				260					265					270
Leu	Leu	Gln	Lys	Val	Val	Glu	Lys	Gly	Ala	Ile	Asp	Lys	Asp	Asn
				275					280					285
Val	Asn	Gln	Ala	Arg	Leu	Glu	Gln	Val	Ile	Ala	Gly	Ala	Asn	His
				290					295					300
Ser	Gly	Ala	Ile	Arg	Arg	Gln	Leu	Trp	Leu	Thr	Gly	Ala	Gly	Glu
				305					310					315
Gly	Pro	Ala	Pro	Asn	Leu	Phe	Gln	Leu	Leu	Val	Gln	Ile	Arg	Glu
				320					325					330
Glu	Glu	Ala	Lys	Glu	Glu	Glu	Glu	Glu	Ala	Glu	Ala	Thr	Leu	Leu
				335					340					345
Gln	Leu	Gly	Leu	Glu	Gly	His	Phe							
				350										

&lt;210&gt; 8

&lt;211&gt; 194

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2656128CD1

&lt;400&gt; 8

Met	His	Asp	Ser	Asn	Asn	Val	Glu	Lys	Asp	Ile	Thr	Pro	Ser	Glu
1				5					10					15
Leu	Pro	Ala	Asn	Pro	Gly	Cys	Leu	His	Ser	Lys	Glu	His	Ser	Ile
				20					25					30
Lys	Ala	Thr	Leu	Ile	Trp	Arg	Leu	Phe	Phe	Leu	Ile	Met	Phe	Leu
				35					40					45
Thr	Ile	Ile	Val	Cys	Gly	Met	Val	Ala	Ala	Leu	Ser	Ala	Ile	Arg
				50					55					60
Ala	Asn	Cys	His	Gln	Glu	Pro	Ser	Val	Cys	Leu	Gln	Ala	Ala	Cys
				65					70					75
Pro	Glu	Ser	Trp	Ile	Gly	Phe	Gln	Arg	Lys	Cys	Phe	Tyr	Phe	Ser
				80					85					90
Asp	Asp	Thr	Lys	Asn	Trp	Thr	Ser	Ser	Gln	Arg	Phe	Cys	Asp	Ser
				95					100					105
Gln	Asp	Ala	Asp	Leu	Ala	Gln	Val	Glu	Ser	Phe	Gln	Glu	Leu	Asn
				110					115					120
Phe	Leu	Leu	Arg	Tyr	Lys	Gly	Pro	Ser	Asp	His	Trp	Ile	Gly	Leu
				125					130					135
Ser	Arg	Glu	Gln	Gly	Gln	Pro	Trp	Lys	Trp	Ile	Asn	Gly	Thr	Glu
				140					145					150
Trp	Thr	Arg	Gln	Leu	Val	Met	Lys	Glu	Asp	Gly	Ala	Asn	Leu	Tyr
				155					160					165
Val	Ala	Lys	Val	Ser	Gln	Val	Pro	Arg	Met	Asn	Pro	Arg	Pro	Val

	170		175		180
Met Val Ser Tyr Pro Gly Ser Arg Arg Val Cys Leu Phe Glu					
	185		190		

&lt;210&gt; 9

&lt;211&gt; 322

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5855841CD1

&lt;400&gt; 9

Met Ser Ser Leu Gly Gly Gly Ser Gln Asp Ala Gly Gly Ser Ser		
1 5 10 15		
Ser Ser Ser Thr Asn Gly Ser Gly Gly Ser Gly Ser Ser Gly Pro		
20 25 30		
Lys Ala Gly Ala Ala Asp Lys Ser Ala Val Val Ala Ala Ala Ala		
35 40 45		
Pro Ala Ser Val Ala Asp Asp Thr Pro Pro Pro Glu Arg Arg Asn		
50 55 60		
Lys Ser Gly Ile Ile Ser Glu Pro Leu Asn Lys Ser Leu Arg Arg		
65 70 75		
Ser Arg Pro Leu Ser His Tyr Ser Ser Phe Gly Ser Ser Gly Gly		
80 85 90		
Ser Gly Gly Gly Ser Met Met Gly Gly Glu Ser Ala Asp Lys Ala		
95 100 105		
Thr Ala Ala Ala Ala Ala Ala Ser Leu Leu Ala Asn Gly His Asp		
110 115 120		
Leu Ala Ala Ala Met Ala Val Asp Lys Ser Asn Pro Thr Ser Lys		
125 130 135		
His Lys Ser Gly Ala Val Ala Ser Leu Leu Ser Lys Ala Glu Arg		
140 145 150		
Ala Thr Glu Leu Ala Ala Glu Gly Gln Leu Thr Leu Gln Gln Phe		
155 160 165		
Ala Gln Ser Thr Glu Met Leu Lys Arg Val Val Gln Glu His Leu		
170 175 180		
Pro Leu Met Ser Glu Ala Gly Ala Gly Leu Pro Asp Met Glu Ala		
185 190 195		
Val Ala Gly Ala Glu Ala Leu Asn Gly Gln Ser Asp Phe Pro Tyr		
200 205 210		
Leu Gly Ala Phe Pro Ile Asn Pro Gly Leu Phe Ile Met Thr Pro		
215 220 225		
Ala Gly Val Phe Leu Ala Glu Ser Ala Leu His Met Ala Gly Leu		
230 235 240		
Ala Glu Tyr Pro Met Gln Gly Glu Leu Ala Ser Ala Ile Ser Ser		
245 250 255		
Gly Lys Lys Lys Arg Lys Arg Cys Gly Met Cys Ala Pro Cys Arg		
260 265 270		
Arg Arg Ile Asn Cys Glu Gln Cys Ser Ser Cys Arg Asn Arg Lys		
275 280 285		
Thr Gly His Gln Ile Cys Lys Phe Arg Lys Cys Glu Glu Leu Lys		
290 295 300		
Lys Lys Pro Ser Ala Ala Leu Glu Lys Val Met Leu Pro Thr Gly		
305 310 315		
Ala Ala Phe Arg Trp Phe Gln		
320		

&lt;210&gt; 10

&lt;211&gt; 335

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 603462CD1

&lt;400&gt; 10

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Met Leu Gln Gly His Ser Ser Val Phe Gln Ala Leu Leu Gly Thr
 1          5          10          15
Phe Phe Thr Trp Gly Met Thr Ala Ala Gly Ala Ala Leu Val Phe
          20          25          30
Val Phe Ser Ser Gly Gln Arg Arg Ile Leu Asp Gly Ser Leu Gly
          35          40          45
Phe Ala Ala Gly Val Met Leu Ala Ala Ser Tyr Trp Ser Leu Leu
          50          55          60
Ala Pro Ala Val Glu Met Ala Thr Ser Ser Gly Gly Phe Gly Ala
          65          70          75
Phe Ala Phe Phe Pro Val Ala Val Gly Phe Thr Leu Gly Ala Ala
          80          85          90
Phe Val Tyr Leu Ala Asp Leu Leu Met Pro His Leu Gly Ala Ala
          95          100          105
Glu Asp Pro Gln Thr Ala Leu Ala Leu Asn Phe Gly Ser Thr Leu
          110          115          120
Met Lys Lys Lys Ser Asp Pro Glu Gly Pro Ala Leu Leu Phe Pro
          125          130          135
Glu Ser Glu Leu Ser Ile Arg Ile Asp Lys Ser Glu Asn Gly Glu
          140          145          150
Ala Tyr Gln Arg Lys Lys Ala Ala Ala Thr Gly Leu Pro Glu Gly
          155          160          165
Pro Ala Val Pro Val Pro Ser Arg Gly Asn Leu Ala Gln Pro Gly
          170          175          180
Gly Ser Ser Trp Arg Arg Ile Ala Leu Leu Ile Leu Ala Ile Thr
          185          190          195
Ile His Asn Val Pro Glu Gly Leu Ala Val Gly Val Gly Phe Gly
          200          205          210
Ala Ile Glu Lys Thr Ala Ser Ala Thr Phe Glu Ser Ala Arg Asn
          215          220          225
Leu Ala Ile Gly Ile Gly Ile Gln Asn Phe Pro Glu Gly Leu Ala
          230          235          240
Val Ser Leu Pro Leu Arg Gly Ala Gly Phe Ser Thr Trp Arg Ala
          245          250          255
Phe Trp Tyr Gly Gln Leu Ser Gly Met Val Glu Pro Leu Ala Gly
          260          265          270
Val Phe Gly Ala Phe Ala Val Val Leu Ala Glu Pro Ile Leu Pro
          275          280          285
Tyr Ala Leu Ala Phe Ala Ala Gly Ala Met Val Tyr Val Val Met
          290          295          300
Asp Asp Ile Ile Pro Glu Ala Gln Ile Ser Gly Asn Gly Lys Leu
          305          310          315
Ala Ser Trp Ala Ser Ile Leu Gly Phe Val Val Met Met Ser Leu
          320          325          330
Asp Val Gly Leu Gly
          335

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&lt;210&gt; 11

&lt;211&gt; 620

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 747681CD1

&lt;400&gt; 11

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Met Gln Val Ser Lys Arg Met Leu Ala Gly Gly Val Arg Ser Met
 1          5          10          15
Pro Ser Pro Leu Leu Ala Cys Trp Gln Pro Ile Leu Leu Leu Val

```

	20		25		30
Leu Gly Ser Val	Leu Ser Gly Ser Ala Thr Gly Cys Pro Pro Arg				
	35		40		45
Cys Glu Cys Ser	Ala Gln Asp Arg Ala Val Leu Cys His Arg Lys				
	50		55		60
Arg Phe Val Ala	Val Pro Glu Gly Ile Pro Thr Glu Thr Arg Leu				
	65		70		75
Leu Asp Leu Gly	Lys Asn Arg Ile Lys Thr Leu Asn Gln Asp Glu				
	80		85		90
Phe Ala Ser Phe	Pro His Leu Glu Glu Leu Glu Leu Asn Glu Asn				
	95		100		105
Ile Val Ser Ala	Val Glu Pro Gly Ala Phe Asn Asn Leu Phe Asn				
	110		115		120
Leu Arg Thr Leu	Gly Leu Arg Ser Asn Arg Leu Lys Leu Ile Pro				
	125		130		135
Leu Gly Val Phe	Thr Gly Leu Ser Asn Leu Thr Lys Leu Asp Ile				
	140		145		150
Ser Glu Asn Lys	Ile Val Ile Leu Leu Asp Tyr Met Phe Gln Asp				
	155		160		165
Leu Tyr Asn Leu	Lys Ser Leu Glu Val Gly Asp Asn Asp Leu Val				
	170		175		180
Tyr Ile Ser His	Arg Ala Phe Ser Gly Leu Asn Ser Leu Glu Gln				
	185		190		195
Leu Thr Leu Glu	Lys Cys Asn Leu Thr Ser Ile Pro Thr Glu Ala				
	200		205		210
Leu Ser His Leu	His Gly Leu Ile Val Leu Arg Leu Arg His Leu				
	215		220		225
Asn Ile Asn Ala	Ile Arg Asp Tyr Ser Phe Lys Arg Leu Tyr Arg				
	230		235		240
Leu Lys Val Leu	Glu Ile Ser His Trp Pro Tyr Leu Asp Thr Met				
	245		250		255
Thr Pro Asn Cys	Leu Tyr Gly Leu Asn Leu Thr Ser Leu Ser Ile				
	260		265		270
Thr His Cys Asn	Leu Thr Ala Val Pro Tyr Leu Ala Val Arg His				
	275		280		285
Leu Val Tyr Leu	Arg Phe Leu Asn Leu Ser Tyr Asn Pro Ile Ser				
	290		295		300
Thr Ile Glu Gly	Ser Met Leu His Glu Leu Leu Arg Leu Gln Glu				
	305		310		315
Ile Gln Leu Val	Gly Gly Gln Leu Ala Val Val Glu Pro Tyr Ala				
	320		325		330
Phe Arg Gly Leu	Asn Tyr Leu Arg Val Leu Asn Val Ser Gly Asn				
	335		340		345
Gln Leu Thr Thr	Leu Glu Glu Ser Val Phe His Ser Val Gly Asn				
	350		355		360
Leu Glu Thr Leu	Ile Leu Asp Ser Asn Pro Leu Ala Cys Asp Cys				
	365		370		375
Arg Leu Leu Trp	Val Phe Arg Arg Arg Trp Arg Leu Asn Phe Asn				
	380		385		390
Arg Gln Gln Pro	Thr Cys Ala Thr Pro Glu Phe Val Gln Gly Lys				
	395		400		405
Glu Phe Lys Asp	Phe Pro Asp Val Leu Leu Pro Asn Tyr Phe Thr				
	410		415		420
Cys Arg Arg Ala	Arg Ile Arg Asp Arg Lys Ala Gln Gln Val Phe				
	425		430		435
Val Asp Glu Gly	His Thr Val Gln Phe Val Cys Arg Ala Asp Gly				
	440		445		450
Asp Pro Pro Pro	Ala Ile Leu Trp Leu Ser Pro Arg Lys His Leu				
	455		460		465
Val Ser Ala Lys	Ser Asn Gly Arg Leu Thr Val Phe Pro Asp Gly				
	470		475		480
Thr Leu Glu Val	Arg Tyr Ala Gln Val Gln Asp Asn Gly Thr Tyr				
	485		490		495

Leu	Cys	Ile	Ala	Ala	Asn	Ala	Gly	Gly	Asn	Asp	Ser	Met	Pro	Ala	
				500					505					510	
His	Leu	His	Val	Arg	Ser	Tyr	Ser	Pro	Asp	Trp	Pro	His	Gln	Pro	
				515					520					525	
Asn	Lys	Thr	Phe	Ala	Phe	Ile	Ser	Asn	Gln	Pro	Gly	Glu	Gly	Glu	
				530					535					540	
Ala	Asn	Ser	Thr	Arg	Ala	Thr	Val	Pro	Phe	Pro	Phe	Asp	Ile	Lys	
				545					550					555	
Thr	Leu	Ile	Ile	Ala	Thr	Thr	Met	Gly	Phe	Ile	Ser	Phe	Leu	Gly	
				560					565					570	
Val	Val	Leu	Phe	Cys	Leu	Val	Leu	Leu	Phe	Leu	Trp	Ser	Arg	Gly	
				575					580					585	
Lys	Gly	Asn	Thr	Lys	His	Asn	Ile	Glu	Ile	Glu	Tyr	Val	Pro	Arg	
				590					595					600	
Lys	Ser	Asp	Ala	Gly	Ile	Ser	Ser	Ala	Asp	Ala	Pro	Arg	Lys	Phe	
				605					610					615	
Asn	Met	Lys	Met	Ile											
				620											

&lt;210&gt; 12

&lt;211&gt; 491

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 919469CD1

&lt;400&gt; 12

Met	Ala	Gly	Gln	Gly	Leu	Pro	Leu	His	Val	Ala	Thr	Leu	Leu	Thr	
1				5					10					15	
Gly	Leu	Leu	Glu	Cys	Leu	Gly	Phe	Ala	Gly	Val	Leu	Phe	Gly	Trp	
				20					25					30	
Pro	Ser	Leu	Val	Phe	Val	Phe	Lys	Asn	Glu	Asp	Tyr	Phe	Lys	Asp	
				35					40					45	
Leu	Cys	Gly	Pro	Asp	Ala	Gly	Pro	Ile	Gly	Asn	Ala	Thr	Gly	Gln	
				50					55					60	
Ala	Asp	Cys	Lys	Ala	Gln	Asp	Glu	Arg	Phe	Ser	Leu	Ile	Phe	Thr	
				65					70					75	
Leu	Gly	Ser	Phe	Met	Asn	Asn	Phe	Met	Thr	Phe	Pro	Thr	Gly	Tyr	
				80					85					90	
Ile	Phe	Asp	Arg	Phe	Lys	Thr	Thr	Val	Ala	Arg	Leu	Ile	Ala	Ile	
				95					100					105	
Phe	Phe	Tyr	Thr	Thr	Ala	Thr	Leu	Ile	Ile	Ala	Phe	Thr	Ser	Ala	
				110					115					120	
Gly	Ser	Ala	Val	Leu	Leu	Phe	Leu	Ala	Met	Pro	Met	Leu	Thr	Ile	
				125					130					135	
Gly	Gly	Ile	Leu	Phe	Leu	Ile	Thr	Asn	Leu	Gln	Ile	Gly	Asn	Leu	
				140					145					150	
Phe	Gly	Gln	His	Arg	Ser	Thr	Ile	Ile	Thr	Leu	Tyr	Asn	Gly	Ala	
				155					160					165	
Phe	Asp	Ser	Ser	Ser	Ala	Val	Phe	Leu	Ile	Ile	Lys	Leu	Leu	Tyr	
				170					175					180	
Glu	Lys	Gly	Ile	Ser	Leu	Arg	Ala	Ser	Phe	Ile	Phe	Ile	Ser	Val	
				185					190					195	
Cys	Ser	Thr	Trp	His	Val	Ala	Arg	Thr	Phe	Leu	Leu	Met	Pro	Arg	
				200					205					210	
Gly	His	Ile	Pro	Tyr	Pro	Leu	Pro	Pro	Asn	Tyr	Ser	Tyr	Gly	Leu	
				215					220					225	
Cys	Pro	Gly	Asn	Gly	Thr	Thr	Lys	Glu	Glu	Lys	Glu	Thr	Ala	Glu	
				230					235					240	
His	Glu	Asn	Arg	Glu	Leu	Gln	Ser	Lys	Glu	Phe	Leu	Ser	Ala	Lys	
				245					250					255	
Glu	Glu	Thr	Pro	Gly	Ala	Gly	Gln	Lys	Gln	Glu	Leu	Arg	Ser	Phe	

Trp Ser Tyr Ala	260	Ala Trp His Leu Val	270
Phe Ser Arg Arg Phe	275	Ala Trp His Leu Val	285
Leu Ser Val Ile Gln	290	Leu Phe Ile Gly Thr	300
Leu Trp His Tyr	305	Gly Thr Leu	315
Asn Ser Leu Leu Thr	320	Asp Met Ala Arg	330
Asn Met Ala Gly	325	Val Leu	345
Thr Asn Ala Phe Ala Phe	335	Gln Phe Gly Val	350
Thr Asn Ala Phe Ala Phe	340	Leu Lys Gln	355
Thr Asn Ala Phe Ala Phe	345	Lys Gln	360
Thr Asn Ala Phe Ala Phe	350	Val Pro Ile Leu Pro	375
Thr Asn Ala Phe Ala Phe	355	Leu Pro	385
Thr Asn Ala Phe Ala Phe	360	Val Pro Ile Leu Pro	390
Thr Asn Ala Phe Ala Phe	365	Val Pro Ile Leu Pro	405
Thr Asn Ala Phe Ala Phe	370	Val Pro Ile Leu Pro	410
Thr Asn Ala Phe Ala Phe	375	Val Pro Ile Leu Pro	415
Thr Asn Ala Phe Ala Phe	380	Val Pro Ile Leu Pro	420
Thr Asn Ala Phe Ala Phe	385	Val Pro Ile Leu Pro	425
Thr Asn Ala Phe Ala Phe	390	Val Pro Ile Leu Pro	430
Thr Asn Ala Phe Ala Phe	395	Val Pro Ile Leu Pro	435
Thr Asn Ala Phe Ala Phe	400	Val Pro Ile Leu Pro	440
Thr Asn Ala Phe Ala Phe	405	Val Pro Ile Leu Pro	445
Thr Asn Ala Phe Ala Phe	410	Val Pro Ile Leu Pro	450
Thr Asn Ala Phe Ala Phe	415	Val Pro Ile Leu Pro	455
Thr Asn Ala Phe Ala Phe	420	Val Pro Ile Leu Pro	460
Thr Asn Ala Phe Ala Phe	425	Val Pro Ile Leu Pro	465
Thr Asn Ala Phe Ala Phe	430	Val Pro Ile Leu Pro	470
Thr Asn Ala Phe Ala Phe	435	Val Pro Ile Leu Pro	475
Thr Asn Ala Phe Ala Phe	440	Val Pro Ile Leu Pro	480
Thr Asn Ala Phe Ala Phe	445	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	450	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	455	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	460	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	465	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	470	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	475	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	480	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	485	Val Pro Ile Leu Pro	
Thr Asn Ala Phe Ala Phe	490	Val Pro Ile Leu Pro	

&lt;210&gt; 13

&lt;211&gt; 580

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 977658CD1

&lt;400&gt; 13

Met Thr Ala Pro Ala	1	Gly Pro Arg Gly Ser	10	Glu Thr Glu Arg Leu	15
Leu Thr Pro Asn Pro	5	Gly Tyr Gly Thr	15	Ala Gly Pro Ser Pro	20
Ala Pro Pro Thr Pro	10	Pro Glu Glu Glu Asp	20	Leu Arg Arg Arg Leu	25
Lys Tyr Phe Phe Met	15	Ser Pro Cys Asp Lys	25	Phe Arg Ala Lys Gly	30
Arg Lys Pro Cys Lys	20	Leu Met Leu Gln Val	30	Val Lys Ile Leu Val	35
Val Thr Val Gln Leu	25	Ile Leu Phe Gly Leu	35	Ser Asn Gln Leu Ala	40
Val Thr Phe Arg Glu	30	Glu Asn Thr Ile Ala	40	Phe Arg His Leu Phe	45
Leu Leu Gly Tyr Ser	35	Asp Gly Ala Asp Asp	45	Thr Phe Ala Ala Tyr	50
Thr Arg Glu Gln Leu	40	Tyr Gln Ala Ile Phe	50	His Ala Val Asp Gln	55
Tyr Leu Ala Leu Pro	45	Asp Val Ser Leu Gly	55	Arg Tyr Ala Tyr Val	60
Arg Gly Gly Gly Asp	50	Pro Trp Thr Asn Gly	60	Ser Gly Leu Ala Leu	65



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<210> 14
<211> 455
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
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&lt;223&gt; Incyte ID No: 1004703CD1

&lt;400&gt; 14

Met	Ser	Phe	Leu	Ile	Asp	Ser	Ser	Ile	Met	Ile	Thr	Ser	Gln	Ile
1				5					10					15
Leu	Phe	Phe	Gly	Phe	Gly	Trp	Leu	Phe	Phe	Met	Arg	Gln	Leu	Phe
				20					25					30
Lys	Asp	Tyr	Glu	Ile	Arg	Gln	Tyr	Val	Val	Gln	Val	Ile	Phe	Ser
				35					40					45
Val	Thr	Phe	Ala	Phe	Ser	Cys	Thr	Met	Phe	Glu	Leu	Ile	Ile	Phe
				50					55					60
Glu	Ile	Leu	Gly	Val	Leu	Asn	Ser	Ser	Ser	Arg	Tyr	Phe	His	Trp
				65					70					75
Lys	Met	Asn	Leu	Cys	Val	Ile	Leu	Leu	Ile	Leu	Val	Phe	Met	Val
				80					85					90
Pro	Phe	Tyr	Ile	Gly	Tyr	Phe	Ile	Val	Ser	Asn	Ile	Arg	Leu	Leu
				95					100					105
His	Lys	Gln	Arg	Leu	Leu	Phe	Ser	Cys	Leu	Leu	Trp	Leu	Thr	Phe
				110					115					120
Met	Tyr	Phe	Phe	Trp	Lys	Leu	Gly	Asp	Leu	Phe	Pro	Ile	Leu	Ser
				125					130					135
Pro	Lys	His	Gly	Ile	Leu	Ser	Ile	Glu	Gln	Leu	Ile	Ser	Arg	Val
				140					145					150
Gly	Val	Ile	Gly	Val	Thr	Leu	Met	Ala	Leu	Leu	Ser	Gly	Phe	Gly
				155					160					165
Ala	Val	Asn	Cys	Pro	Tyr	Thr	Tyr	Met	Ser	Tyr	Phe	Leu	Arg	Asn
				170					175					180
Val	Thr	Asp	Thr	Asp	Ile	Leu	Ala	Leu	Glu	Arg	Arg	Leu	Leu	Gln
				185					190					195
Thr	Met	Asp	Met	Ile	Ile	Ser	Lys	Lys	Lys	Arg	Met	Ala	Met	Ala
				200					205					210
Arg	Arg	Thr	Met	Phe	Gln	Lys	Gly	Glu	Val	His	Asn	Lys	Pro	Ser
				215					220					225
Gly	Phe	Trp	Gly	Met	Ile	Lys	Ser	Val	Thr	Thr	Ser	Ala	Ser	Gly
				230					235					240
Ser	Glu	Asn	Leu	Thr	Leu	Ile	Gln	Gln	Glu	Val	Asp	Ala	Leu	Glu
				245					250					255
Glu	Leu	Ser	Arg	Gln	Leu	Phe	Leu	Glu	Thr	Ala	Asp	Leu	Tyr	Ala
				260					265					270
Thr	Lys	Glu	Arg	Ile	Glu	Tyr	Ser	Lys	Thr	Phe	Lys	Gly	Lys	Tyr
				275					280					285
Phe	Asn	Phe	Leu	Gly	Tyr	Phe	Phe	Ser	Ile	Tyr	Cys	Val	Trp	Lys
				290					295					300
Ile	Phe	Met	Ala	Thr	Ile	Asn	Ile	Val	Phe	Asp	Arg	Val	Gly	Lys
				305					310					315
Thr	Asp	Pro	Val	Thr	Arg	Gly	Ile	Glu	Ile	Thr	Val	Asn	Tyr	Leu
				320					325					330
Gly	Ile	Gln	Phe	Asp	Val	Lys	Phe	Trp	Ser	Gln	His	Ile	Ser	Phe
				335					340					345
Ile	Leu	Val	Gly	Ile	Ile	Ile	Val	Thr	Ser	Ile	Arg	Gly	Leu	Leu
				350					355					360
Ile	Thr	Leu	Thr	Lys	Phe	Phe	Tyr	Ala	Ile	Ser	Ser	Ser	Lys	Ser
				365					370					375
Ser	Asn	Val	Ile	Val	Leu	Leu	Leu	Ala	Gln	Ile	Met	Gly	Met	Tyr
				380					385					390
Phe	Val	Ser	Ser	Val	Leu	Leu	Ile	Arg	Met	Ser	Met	Pro	Leu	Glu
				395					400					405
Tyr	Arg	Thr	Ile	Ile	Thr	Glu	Val	Leu	Gly	Glu	Leu	Gln	Phe	Asn
				410					415					420
Phe	Tyr	His	Arg	Trp	Phe	Asp	Val	Ile	Phe	Leu	Val	Ser	Ala	Leu
				425					430					435
Ser	Ser	Ile	Leu	Phe	Leu	Tyr	Leu	Ala	His	Lys	Gln	Ala	Pro	Glu
				440					445					450

Lys Gln Met Ala Pro  
455

<210> 15  
<211> 277  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1334051CD1

<400> 15  
Met Lys Ile Ser Met Ile Asn Tyr Lys Ser Leu Leu Ala Leu Leu  
1 5 10 15  
Phe Ile Leu Ala Ser Trp Ile Ile Phe Thr Val Phe Gln Asn Ser  
20 25 30  
Thr Lys Val Trp Ser Ala Leu Asn Leu Ser Ile Ser Leu His Tyr  
35 40 45  
Trp Asn Asn Ser Thr Lys Ser Leu Phe Pro Lys Thr Pro Leu Ile  
50 55 60  
Ser Leu Lys Pro Leu Thr Glu Thr Glu Leu Arg Ile Lys Glu Ile  
65 70 75  
Ile Glu Lys Leu Asp Gln Gln Ile Pro Pro Arg Pro Phe Thr His  
80 85 90  
Val Asn Thr Thr Thr Ser Ala Thr His Ser Thr Ala Thr Ile Leu  
95 100 105  
Asn Pro Arg Asp Thr Tyr Cys Arg Gly Asp Gln Leu His Ile Leu  
110 115 120  
Leu Glu Val Arg Asp His Leu Gly Arg Arg Lys Gln Tyr Gly Gly  
125 130 135  
Asp Phe Leu Arg Ala Arg Met Ser Ser Pro Ala Leu Met Ala Gly  
140 145 150  
Ala Ser Gly Lys Val Thr Asp Phe Asn Asn Gly Thr Tyr Leu Val  
155 160 165  
Ser Phe Thr Leu Phe Trp Glu Gly Gln Val Ser Leu Ser Leu Leu  
170 175 180  
Leu Ile His Pro Ser Glu Gly Val Ser Ala Leu Trp Ser Ala Arg  
185 190 195  
Asn Gln Gly Tyr Asp Arg Val Ile Phe Thr Gly Gln Phe Val Asn  
200 205 210  
Gly Thr Ser Gln Val His Ser Glu Cys Gly Leu Ile Leu Asn Thr  
215 220 225  
Asn Ala Glu Leu Cys Gln Tyr Leu Asp Asn Arg Asp Gln Glu Gly  
230 235 240  
Phe Tyr Cys Val Arg Pro Gln His Met Pro Cys Ala Ala Leu Thr  
245 250 255  
His Met Tyr Ser Lys Asn Lys Lys Val Ser Tyr Leu Ser Lys Gln  
260 265 270  
Glu Lys Ser Leu Phe Glu Arg  
275

<210> 16  
<211> 647  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1336728CD1

<400> 16  
Met Ala Ser Leu Val Ser Leu Glu Leu Gly Leu Leu Leu Ala Val  
1 5 10 15  
Leu Val Val Thr Ala Thr Ala Ser Pro Pro Ala Gly Leu Leu Ser

	20		25		30
Leu Leu Thr Ser Gly	Gln Gly Ala Leu Asp	Gln Glu Ala Leu Gly			
	35		40		45
Gly Leu Leu Asn Thr	Leu Ala Asp Arg Val	His Cys Thr Asn Gly			
	50		55		60
Pro Cys Gly Lys Cys	Leu Ser Val Glu Asp	Ala Leu Gly Leu Gly			
	65		70		75
Glu Pro Glu Gly Ser	Gly Leu Pro Pro Gly	Pro Val Leu Glu Ala			
	80		85		90
Arg Tyr Val Ala Arg	Leu Ser Ala Ala Val	Leu Tyr Leu Ser			
	95		100		105
Asn Pro Glu Gly Thr	Cys Glu Asp Thr Arg	Ala Gly Leu Trp Ala			
	110		115		120
Ser His Ala Asp His	Leu Leu Ala Leu Leu	Glu Ser Pro Lys Ala			
	125		130		135
Leu Thr Pro Gly Leu	Ser Trp Leu Leu Gln	Arg Met Gln Ala Arg			
	140		145		150
Ala Ala Gly Gln Thr	Pro Lys Thr Ala Cys	Val Asp Ile Pro Gln			
	155		160		165
Leu Leu Glu Glu Ala	Val Gly Ala Gly Ala	Pro Gly Ser Ala Gly			
	170		175		180
Gly Val Leu Ala Ala	Leu Leu Asp His Val	Arg Ser Gly Ser Cys			
	185		190		195
Phe His Ala Leu Pro	Ser Pro Gln Tyr Phe	Val Asp Phe Val Phe			
	200		205		210
Gln Gln His Ser Ser	Glu Val Pro Met Thr	Leu Ala Glu Leu Ser			
	215		220		225
Ala Leu Met Gln Arg	Leu Gly Val Gly Arg	Glu Ala His Ser Asp			
	230		235		240
His Ser His Arg His	Arg Gly Ala Ser Ser	Arg Asp Pro Val Pro			
	245		250		255
Leu Ile Ser Ser Ser	Asn Ser Ser Ser Val	Trp Asp Thr Val Cys			
	260		265		270
Leu Ser Ala Arg Asp	Val Met Ala Ala Tyr	Gly Leu Ser Glu Gln			
	275		280		285
Ala Gly Val Thr Pro	Glu Ala Trp Ala Gln	Leu Ser Pro Ala Leu			
	290		295		300
Leu Gln Gln Gln Leu	Ser Gly Ala Cys Thr	Ser Gln Ser Arg Pro			
	305		310		315
Pro Val Gln Asp Gln	Leu Ser Gln Ser Glu	Arg Tyr Leu Tyr Gly			
	320		325		330
Ser Leu Ala Thr Leu	Leu Ile Cys Leu Cys	Ala Val Phe Gly Leu			
	335		340		345
Leu Leu Leu Thr Cys	Thr Gly Cys Arg Gly	Val Thr His Tyr Ile			
	350		355		360
Leu Gln Thr Phe Leu	Ser Leu Ala Val Gly	Ala Leu Thr Gly Asp			
	365		370		375
Ala Val Leu His Leu	Thr Pro Lys Val Leu	Gly Leu His Thr His			
	380		385		390
Ser Glu Glu Gly Leu	Ser Pro Gln Pro Thr	Trp Arg Leu Leu Ala			
	395		400		405
Met Leu Ala Gly Leu	Tyr Ala Phe Phe Leu	Phe Glu Asn Leu Phe			
	410		415		420
Asn Leu Leu Leu Pro	Arg Asp Pro Glu Asp	Leu Glu Asp Gly Pro			
	425		430		435
Cys Gly His Ser Ser	His Ser His Gly Gly	His Ser His Gly Val			
	440		445		450
Ser Leu Gln Leu Ala	Pro Ser Glu Leu Arg	Gln Pro Lys Pro Pro			
	455		460		465
His Glu Gly Ser Arg	Ala Asp Leu Val Ala	Glu Glu Ser Pro Glu			
	470		475		480
Leu Leu Asn Pro Glu	Pro Arg Arg Leu Ser	Pro Glu Leu Arg Leu			
	485		490		495

Leu	Pro	Tyr	Met	Ile	Thr	Leu	Gly	Asp	Ala	Val	His	Asn	Phe	Ala
				500					505					510
Asp	Gly	Leu	Ala	Val	Gly	Ala	Ala	Phe	Ala	Ser	Ser	Trp	Lys	Thr
				515					520					525
Gly	Leu	Ala	Thr	Ser	Leu	Ala	Val	Phe	Cys	His	Glu	Leu	Pro	His
				530					535					540
Glu	Leu	Gly	Asp	Phe	Ala	Ala	Leu	Leu	His	Ala	Gly	Leu	Ser	Val
				545					550					555
Arg	Gln	Ala	Leu	Leu	Leu	Asn	Leu	Ala	Ser	Ala	Leu	Thr	Ala	Phe
				560					565					570
Ala	Gly	Leu	Tyr	Val	Ala	Leu	Ala	Val	Gly	Val	Ser	Glu	Glu	Ser
				575					580					585
Glu	Ala	Trp	Ile	Leu	Ala	Val	Ala	Thr	Gly	Leu	Phe	Leu	Tyr	Val
				590					595					600
Ala	Leu	Cys	Asp	Met	Leu	Pro	Ala	Met	Leu	Lys	Val	Arg	Asp	Pro
				605					610					615
Arg	Pro	Trp	Leu	Leu	Phe	Leu	Leu	His	Asn	Val	Gly	Leu	Leu	Gly
				620					625					630
Gly	Trp	Thr	Val	Leu	Leu	Leu	Leu	Ser	Leu	Tyr	Glu	Asp	Asp	Ile
				635					640					645
Thr	Phe													

&lt;210&gt; 17

&lt;211&gt; 406

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1452856CD1

&lt;400&gt; 17

Met	Ala	Glu	Asn	Gly	Lys	Asn	Cys	Asp	Gln	Arg	Arg	Val	Ala	Met
1				5					10					15
Asn	Lys	Glu	His	His	Asn	Gly	Asn	Phe	Thr	Asp	Pro	Ser	Ser	Val
				20					25					30
Asn	Glu	Lys	Lys	Arg	Arg	Glu	Arg	Glu	Glu	Arg	Gln	Asn	Ile	Val
				35					40					45
Leu	Trp	Arg	Gln	Pro	Leu	Ile	Thr	Leu	Gln	Tyr	Phe	Ser	Leu	Glu
				50					55					60
Ile	Leu	Val	Ile	Leu	Lys	Glu	Trp	Thr	Ser	Lys	Leu	Trp	His	Arg
				65					70					75
Gln	Ser	Ile	Val	Val	Ser	Phe	Leu	Leu	Leu	Leu	Ala	Val	Leu	Ile
				80					85					90
Ala	Thr	Tyr	Tyr	Val	Glu	Gly	Val	His	Gln	Gln	Tyr	Val	Gln	Arg
				95					100					105
Ile	Glu	Lys	Gln	Phe	Leu	Leu	Tyr	Ala	Tyr	Trp	Ile	Gly	Leu	Gly
				110					115					120
Ile	Leu	Ser	Ser	Val	Gly	Leu	Gly	Thr	Gly	Leu	His	Thr	Phe	Leu
				125					130					135
Leu	Tyr	Leu	Gly	Pro	His	Ile	Ala	Ser	Val	Thr	Leu	Ala	Ala	Tyr
				140					145					150
Glu	Cys	Asn	Ser	Val	Asn	Phe	Pro	Glu	Pro	Pro	Tyr	Pro	Asp	Gln
				155					160					165
Ile	Ile	Cys	Pro	Asp	Glu	Glu	Gly	Thr	Glu	Gly	Thr	Ile	Ser	Leu
				170					175					180
Trp	Ser	Ile	Ile	Ser	Lys	Val	Arg	Ile	Glu	Ala	Cys	Met	Trp	Gly
				185					190					195
Ile	Gly	Thr	Ala	Ile	Gly	Glu	Leu	Pro	Pro	Tyr	Phe	Met	Ala	Arg
				200					205					210
Ala	Ala	Arg	Leu	Ser	Gly	Ala	Glu	Pro	Asp	Asp	Glu	Glu	Tyr	Gln
				215					220					225
Glu	Phe	Glu	Glu	Met	Leu	Glu	His	Ala	Glu	Ser	Ala	Gln	Asp	Phe

Ala Ser Arg Ala	230	Lys Leu Ala Val Gln	235	Lys Leu Val Gln Lys	240
	245		250		255
Gly Phe Phe Gly	260	Ile Leu Ala Cys Ala	265	Ser Ile Pro Asn Pro	270
	275		280		285
Phe Asp Leu Ala	290	Gly Ile Thr Cys Gly	295	His Phe Leu Val Pro	300
	305		310		315
Trp Thr Phe Phe	320	Gly Ala Thr Leu Ile	325	Gly Lys Ala Ile Ile	330
	335		340		345
Met His Ile Gln	350	Lys Ile Phe Val Ile	355	Ile Thr Phe Ser Lys	360
	365		370		375
Ile Val Glu Gln	380	Met Val Ala Phe Ile	385	Gly Ala Val Pro Gly	390
	395		400		405
Gly Pro Ser Leu		Gln Lys Pro Phe Gln		Glu Tyr Leu Glu Ala	
Arg Gln Lys Leu		His His Lys Ser Glu		Met Gly Thr Pro Gln	
Glu Asn Trp Leu		Ser Trp Met Phe Glu		Lys Leu Val Val Val	
Val Cys Tyr Phe		Ile Leu Ser Ile Ile		Asn Ser Met Ala Gln	
Tyr Ala Lys Arg		Ile Gln Gln Arg Leu		Asn Ser Glu Glu Lys	

Lys

&lt;210&gt; 18

&lt;211&gt; 290

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1562471CD1

&lt;400&gt; 18

Met Pro Leu Leu Thr	1	Leu Tyr Leu Leu Leu	10	Phe Trp Leu Ser Gly	15
	5		10		15
Tyr Ser Ile Ala Thr	20	Gln Ile Thr Gly Pro	25	Thr Thr Val Asn Gly	30
	25		30		35
Leu Glu Arg Gly Ser	35	Leu Thr Val Gln Cys	40	Val Tyr Arg Ser Gly	45
	40		45		50
Trp Glu Thr Tyr Leu	50	Lys Trp Trp Cys Arg	55	Gly Ala Ile Trp Arg	60
	55		60		65
Asp Cys Lys Ile Leu	65	Val Lys Thr Ser Gly	70	Ser Glu Gln Glu Val	75
	70		75		80
Lys Arg Asp Arg Val	80	Ser Ile Lys Asp Asn	85	Gln Lys Asn Arg Thr	90
	85		90		95
Phe Thr Val Thr Met	95	Glu Asp Leu Met Lys	100	Thr Asp Ala Asp Thr	105
	100		105		110
Tyr Trp Cys Gly Ile	110	Glu Lys Thr Gly Asn	115	Asp Leu Gly Val Thr	120
	115		120		125
Val Gln Val Thr Ile	125	Asp Pro Ala Pro Val	130	Thr Gln Glu Glu Thr	135
	130		135		140
Ser Ser Ser Pro Thr	140	Leu Thr Gly His His	145	Leu Asp Asn Arg His	150
	145		150		155
Lys Leu Leu Lys Leu	155	Ser Val Leu Leu Pro	160	Leu Ile Phe Thr Ile	165
	160		165		170
Leu Leu Leu Leu Leu	170	Val Ala Ala Ser Leu	175	Leu Ala Trp Arg Met	180
	175		180		185
Met Lys Tyr Gln Gln	185	Lys Ala Ala Gly Met	190	Ser Pro Glu Gln Val	195
	190		195		200
Leu Gln Pro Leu Glu	200	Gly Asp Leu Cys Tyr	205	Ala Asp Leu Thr Leu	210
	205		210		

Gln	Leu	Ala	Gly	Thr	Ser	Pro	Arg	Lys	Ala	Thr	Thr	Lys	Leu	Ser
				215					220					225
Ser	Ala	Gln	Val	Asp	Gln	Val	Glu	Val	Glu	Tyr	Val	Thr	Met	Ala
				230					235					240
Ser	Leu	Pro	Lys	Glu	Asp	Ile	Ser	Tyr	Ala	Ser	Leu	Thr	Leu	Gly
				245					250					255
Ala	Glu	Asp	Gln	Glu	Pro	Thr	Tyr	Cys	Asn	Met	Gly	His	Leu	Ser
				260					265					270
Ser	His	Leu	Pro	Gly	Arg	Gly	Pro	Glu	Glu	Pro	Thr	Glu	Tyr	Ser
				275					280					285
Thr	Ile	Ser	Arg	Pro										
				290										

&lt;210&gt; 19

&lt;211&gt; 390

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1618158CD1

&lt;400&gt; 19

Met	Phe	Ser	Thr	Asn	Tyr	Ser	His	Met	Glu	Asn	Tyr	Arg	Lys	Arg
1				5					10					15
Glu	Asp	Leu	Val	Tyr	Gln	Ser	Thr	Val	Arg	Leu	Pro	Glu	Val	Arg
				20					25					30
Ile	Ser	Asp	Asn	Gly	Pro	Tyr	Glu	Cys	His	Val	Gly	Ile	Tyr	Asp
				35					40					45
Arg	Ala	Thr	Arg	Glu	Lys	Val	Val	Leu	Ala	Ser	Gly	Asn	Ile	Phe
				50					55					60
Leu	Asn	Val	Met	Ala	Pro	Pro	Thr	Ser	Ile	Glu	Val	Val	Ala	Ala
				65					70					75
Asp	Thr	Pro	Ala	Pro	Phe	Ser	Arg	Tyr	Gln	Ala	Gln	Asn	Phe	Thr
				80					85					90
Leu	Val	Cys	Ile	Val	Ser	Gly	Gly	Lys	Pro	Ala	Pro	Met	Val	Tyr
				95					100					105
Phe	Lys	Arg	Asp	Gly	Glu	Pro	Ile	Asp	Ala	Val	Pro	Leu	Ser	Glu
				110					115					120
Pro	Pro	Ala	Ala	Ser	Ser	Gly	Pro	Leu	Gln	Asp	Ser	Arg	Pro	Phe
				125					130					135
Arg	Ser	Leu	Leu	His	Arg	Asp	Leu	Asp	Asp	Thr	Lys	Met	Gln	Lys
				140					145					150
Ser	Leu	Ser	Leu	Leu	Asp	Ala	Glu	Asn	Arg	Gly	Gly	Arg	Pro	Tyr
				155					160					165
Thr	Glu	Arg	Pro	Ser	Arg	Gly	Leu	Thr	Pro	Asp	Pro	Asn	Ile	Leu
				170					175					180
Leu	Gln	Pro	Thr	Thr	Glu	Asn	Ile	Pro	Glu	Thr	Val	Val	Ser	Arg
				185					190					195
Glu	Phe	Pro	Arg	Trp	Val	His	Ser	Ala	Glu	Pro	Thr	Tyr	Phe	Leu
				200					205					210
Arg	His	Ser	Arg	Thr	Pro	Ser	Ser	Asp	Gly	Thr	Val	Glu	Val	Arg
				215					220					225
Ala	Leu	Leu	Thr	Trp	Thr	Leu	Asn	Pro	Gln	Ile	Asp	Asn	Glu	Ala
				230					235					240
Leu	Phe	Ser	Cys	Glu	Val	Lys	His	Pro	Ala	Leu	Ser	Met	Pro	Met
				245					250					255
Gln	Ala	Glu	Val	Thr	Leu	Val	Ala	Pro	Lys	Gly	Pro	Lys	Ile	Val
				260					265					270
Met	Thr	Pro	Ser	Arg	Ala	Arg	Val	Gly	Asp	Thr	Val	Arg	Ile	Leu
				275					280					285
Val	His	Gly	Phe	Gln	Asn	Glu	Val	Phe	Pro	Glu	Pro	Met	Phe	Thr
				290					295					300
Trp	Thr	Arg	Val	Gly	Ser	Arg	Leu	Leu	Asp	Gly	Ser	Ala	Glu	Phe

Asp Gly Lys Glu	Leu Val Leu Glu Arg	Val Pro Ala Glu Leu Asn	305	310	315
Gly Ser Met Tyr	Arg Cys Thr Ala Gln Asn	Pro Leu Gly Ser Thr	320	325	330
Asp Thr His Thr	Arg Leu Ile Val Phe Glu	Asn Pro Asn Ile Pro	335	340	345
Arg Gly Thr Glu	Asp Ser Asn Gly Ser Ile	Gly Pro Thr Gly Ala	350	355	360
Arg Leu Thr Leu	Val Leu Ala Leu Thr Val	Ile Leu Glu Leu Thr	365	370	375
			380	385	390

<210> 20  
 <211> 427  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1656935CD1

<400> 20

Met Asn Val Asn Ser	Met Asp Met Thr Gly	Gly Leu Ser Val Lys	1	5	10	15
Asp Pro Ser Gln Ser	Gln Ser Arg Leu Pro	Gln Trp Thr His Pro	20	25	30	35
Asn Ser Met Asp Asn	Leu Pro Ser Ala Ala	Ser Pro Leu Glu Gln	40	45	50	55
Asn Pro Ser Lys His	Gly Ala Ile Pro Gly	Gly Leu Ser Ile Gly	60	65	70	75
Pro Pro Gly Lys Ser	Ser Ile Asp Asp Ser	Tyr Gly Arg Tyr Asp	80	85	90	95
Leu Ile Gln Asn Ser	Glu Ser Pro Ala Ser	Pro Pro Val Ala Val	100	105	110	115
Pro His Ser Trp Ser	Arg Ala Lys Ser Asp	Ser Asp Lys Ile Ser	120	125	130	135
Asn Gly Ser Ser Ile	Asn Trp Pro Pro Glu	Phe His Pro Gly Val	140	145	150	155
Pro Trp Lys Gly Leu	Gln Asn Ile Asp Pro	Glu Asn Asp Pro Asp	160	165	170	175
Val Thr Pro Gly Ser	Val Pro Thr Gly Pro	Thr Ile Asn Thr Thr	180	185	190	195
Ile Gln Asp Val Asn	Arg Tyr Leu Leu Lys	Ser Gly Gly Ser Ser	200	205	210	215
Pro Pro Ser Ser Gln	Asn Ala Thr Leu Pro	Ser Ser Ser Ala Trp	220	225	230	235
Pro Leu Ser Ala Ser	Gly Tyr Ser Ser Ser	Phe Ser Ser Ile Ala	240	245	250	255
Ser Ala Pro Ser Val	Ala Gly Lys Leu Ser	Asp Ile Lys Ser Thr	260	265	270	275
Trp Ser Ser Gly Pro	Thr Ser His Thr Gln	Ala Ser Leu Ser His	280	285	290	295
Glu Leu Trp Lys Val	Pro Arg Asn Ser Thr	Ala Pro Thr Arg Pro	300	305	310	315
Pro Pro Gly Leu Thr	Asn Pro Lys Pro Ser	Ser Thr Trp Gly Ala	320	325	330	335
Ser Pro Leu Gly Trp	Thr Ser Ser Tyr Ser	Ser Ser Gly Ser Ala	340	345	350	355
Ser Thr Asp Thr Ser	Gly Arg Thr Ser Ser	Trp Leu Val Leu Arg	360	365	370	375
Asn Leu Thr Pro Gln	Ile Asp Gly Ser Lys	Leu Arg Thr Leu Cys	380	385	390	395
Leu Gln His Gly Pro	Leu Ile Thr Phe His	Leu Asn Leu Thr Gln				



	305		310		315
Gly Asn Ala Val	Val Arg Tyr Ser Ser	Lys Glu Glu Gly Leu	Pro		
	320		325		330
Lys Ala Gln Glu	Val Leu Cys Thr Ile	Val Arg Pro Trp Glu	Thr		
	335		340		345
Leu Ser His Ser	Leu Gly Pro Ser Phe	Arg Leu Val Gly Thr	Lys		
	350		355		360
Glu Val Gly Ile	Arg Val Ser Phe Lys	Pro Pro Glu Gly Pro	Gly		
	365		370		375
Arg Ile Gly Gln	Ser Thr Ile Phe Gln	Gly Leu Ala Gln Phe	His		
	380		385		390
Asp Gln Arg Gly	Val Ser Lys Leu Thr	Gly Arg Gly Gly Ile	His		
	395		400		405
Arg Pro Arg Gly	Arg Gly Lys Ala Ser	His Gln Leu Ala His	Met		
	410		415		420
Arg His Cys Glu	Leu Thr Phe				
	425				

&lt;210&gt; 21

&lt;211&gt; 459

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1859305CD1

&lt;400&gt; 21

Met Glu Lys Thr Cys	Ile Asp Ala Leu Pro	Leu Thr Met Asn Ser
1	5	10
Ser Glu Lys Gln Glu	Thr Val Cys Ile Phe	Gly Thr Gly Asp Phe
	20	25
Gly Arg Ser Leu Gly	Leu Lys Met Leu Gln	Cys Gly Tyr Ser Val
	35	40
Val Phe Gly Ser Arg	Asn Pro Gln Lys Thr	Thr Leu Leu Pro Ser
	50	55
Gly Ala Glu Val Leu	Ser Tyr Ser Glu Ala	Ala Lys Lys Ser Asp
	65	70
Ile Ile Ile Ile Ala	Ile His Arg Glu His	Tyr Asp Phe Leu Thr
	80	85
Glu Leu Thr Glu Val	Leu Asn Gly Lys Ile	Leu Val Asp Ile Ser
	95	100
Asn Asn Leu Lys Ile	Asn Gln Tyr Pro Glu	Ser Asn Ala Glu Tyr
	110	115
Leu Ala His Leu Val	Pro Gly Ala His Val	Lys Ala Phe Asn
	125	130
Thr Ile Ser Ala Trp	Ala Leu Gln Ser Gly	Ala Leu Asp Ala Ser
	140	145
Arg Gln Val Phe Val	Cys Gly Asn Asp Ser	Lys Ala Lys Gln Arg
	155	160
Val Met Asp Ile Val	Arg Asn Leu Gly Leu	Thr Pro Met Asp Gln
	170	175
Gly Ser Leu Met Ala	Ala Lys Glu Ile Glu	Lys Tyr Pro Leu Gln
	185	190
Leu Phe Pro Met Trp	Arg Phe Pro Phe Tyr	Leu Ser Ala Val Leu
	200	205
Cys Val Phe Leu Phe	Phe Tyr Cys Val Ile	Arg Asp Val Ile Tyr
	215	220
Pro Tyr Val Tyr Glu	Lys Lys Asp Asn Thr	Phe Arg Met Ala Ile
	230	235
Ser Ile Pro Asn Arg	Ile Phe Pro Ile Thr	Ala Leu Thr Leu Leu
	245	250
Ala Leu Val Tyr Leu	Pro Gly Val Ile Ala	Ala Ile Leu Gln Leu
	260	265

Tyr	Arg	Gly	Thr	Lys	Tyr	Arg	Arg	Phe	Pro	Asp	Trp	Leu	Asp	His
				275					280					285
Trp	Met	Leu	Cys	Arg	Lys	Gln	Leu	Gly	Leu	Val	Ala	Leu	Gly	Phe
				290					295					300
Ala	Phe	Leu	His	Val	Leu	Tyr	Thr	Leu	Val	Ile	Pro	Ile	Arg	Tyr
				305					310					315
Tyr	Val	Arg	Trp	Arg	Leu	Gly	Asn	Leu	Thr	Val	Thr	Gln	Ala	Ile
				320					325					330
Leu	Lys	Lys	Glu	Asn	Pro	Phe	Ser	Thr	Ser	Ser	Ala	Trp	Leu	Ser
				335					340					345
Asp	Ser	Tyr	Val	Ala	Leu	Gly	Ile	Leu	Gly	Phe	Phe	Leu	Phe	Val
				350					355					360
Leu	Leu	Gly	Ile	Thr	Ser	Leu	Pro	Ser	Val	Ser	Asn	Ala	Val	Asn
				365					370					375
Trp	Arg	Glu	Phe	Arg	Phe	Val	Gln	Ser	Lys	Leu	Gly	Tyr	Leu	Thr
				380					385					390
Leu	Ile	Leu	Cys	Thr	Ala	His	Thr	Leu	Val	Tyr	Gly	Gly	Lys	Arg
				395					400					405
Phe	Leu	Ser	Pro	Ser	Asn	Leu	Arg	Trp	Tyr	Leu	Pro	Ala	Ala	Tyr
				410					415					420
Val	Leu	Gly	Leu	Ile	Ile	Pro	Cys	Thr	Val	Leu	Val	Ile	Lys	Phe
				425					430					435
Val	Leu	Ile	Met	Pro	Cys	Val	Asp	Asn	Thr	Leu	Thr	Arg	Ile	Arg
				440					445					450
Gln	Gly	Trp	Glu	Arg	Asn	Ser	Lys	His						
				455										

&lt;210&gt; 22

&lt;211&gt; 229

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1949083CD1

&lt;400&gt; 22

Met	Leu	Pro	Val	Ser	Arg	Thr	Cys	Leu	Leu	Glu	Ser	Ser	Thr	Arg
1				5					10					15
Leu	Lys	Pro	His	Glu	Ala	Gln	Asn	Tyr	Arg	Lys	Lys	Ala	Leu	Trp
				20					25					30
Val	Ser	Trp	Phe	Ser	Ile	Ile	Val	Thr	Leu	Ala	Leu	Ala	Val	Ala
				35					40					45
Ala	Phe	Thr	Val	Ser	Val	Met	Arg	Tyr	Ser	Ala	Ser	Ala	Phe	Gly
				50					55					60
Phe	Ala	Phe	Asp	Ala	Ile	Leu	Asp	Val	Leu	Ser	Ser	Ala	Ile	Val
				65					70					75
Leu	Trp	Arg	Tyr	Ser	Asn	Ala	Ala	Ala	Val	His	Ser	Ala	His	Arg
				80					85					90
Glu	Tyr	Ile	Ala	Cys	Val	Ile	Leu	Gly	Val	Ile	Phe	Leu	Leu	Ser
				95					100					105
Ser	Ile	Cys	Ile	Val	Val	Lys	Ala	Ile	His	Asp	Leu	Ser	Thr	Arg
				110					115					120
Leu	Leu	Pro	Glu	Val	Asp	Asp	Phe	Leu	Phe	Ser	Val	Ser	Ile	Leu
				125					130					135
Ser	Gly	Ile	Leu	Cys	Ser	Ile	Leu	Ala	Val	Leu	Lys	Phe	Met	Leu
				140					145					150
Gly	Lys	Val	Leu	Thr	Ser	Arg	Ala	Leu	Ile	Thr	Asp	Gly	Phe	Asn
				155					160					165
Ser	Leu	Val	Gly	Gly	Val	Met	Gly	Phe	Ser	Ile	Leu	Leu	Ser	Ala
				170					175					180
Glu	Val	Phe	Lys	His	Asp	Ser	Ala	Val	Trp	Tyr	Leu	Asp	Gly	Ser
				185					190					195
Ile	Gly	Val	Leu	Ile	Gly	Leu	Thr	Ile	Phe	Ala	Tyr	Gly	Val	Lys

Leu	Leu	Ile	Asp	Met	Val	Pro	Lys	Val	Arg	Gln	Thr	Arg	His	Tyr
				200					205					210
				215					220					225
Glu	Met	Phe	Glu											

<210> 23  
 <211> 311  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 1996357CD1

<400> 23

Met	Ala	Val	Asp	Ile	Gln	Pro	Ala	Cys	Leu	Gly	Leu	Tyr	Cys	Gly
1				5					10					15
Lys	Thr	Leu	Leu	Phe	Lys	Asn	Gly	Ser	Thr	Glu	Ile	Tyr	Gly	Glu
				20					25					30
Cys	Gly	Val	Cys	Pro	Arg	Gly	Gln	Arg	Thr	Asn	Ala	Gln	Lys	Tyr
				35					40					45
Cys	Gln	Pro	Cys	Thr	Glu	Ser	Pro	Glu	Leu	Tyr	Asp	Trp	Leu	Tyr
				50					55					60
Leu	Gly	Phe	Met	Ala	Met	Leu	Pro	Leu	Val	Leu	His	Trp	Phe	Phe
				65					70					75
Ile	Glu	Trp	Tyr	Ser	Gly	Lys	Lys	Ser	Ser	Ser	Ala	Leu	Phe	Gln
				80					85					90
His	Ile	Thr	Ala	Leu	Phe	Glu	Cys	Ser	Met	Ala	Ala	Ile	Ile	Thr
				95					100					105
Leu	Leu	Val	Ser	Asp	Pro	Val	Gly	Val	Leu	Tyr	Ile	Arg	Ser	Cys
				110					115					120
Arg	Val	Leu	Met	Leu	Ser	Asp	Trp	Tyr	Thr	Met	Leu	Tyr	Asn	Pro
				125					130					135
Ser	Pro	Asp	Tyr	Val	Thr	Thr	Val	His	Cys	Thr	His	Glu	Ala	Val
				140					145					150
Tyr	Pro	Leu	Tyr	Thr	Ile	Val	Phe	Ile	Tyr	Tyr	Ala	Phe	Cys	Leu
				155					160					165
Val	Leu	Met	Met	Leu	Leu	Arg	Pro	Leu	Leu	Val	Lys	Lys	Ile	Ala
				170					175					180
Cys	Gly	Leu	Gly	Lys	Ser	Asp	Arg	Phe	Lys	Ser	Ile	Tyr	Ala	Ala
				185					190					195
Leu	Tyr	Phe	Phe	Pro	Ile	Leu	Thr	Val	Leu	Gln	Ala	Val	Gly	Gly
				200					205					210
Gly	Leu	Leu	Tyr	Tyr	Ala	Phe	Pro	Tyr	Ile	Ile	Leu	Val	Leu	Ser
				215					220					225
Leu	Val	Thr	Leu	Ala	Val	Tyr	Met	Ser	Ala	Ser	Glu	Ile	Glu	Asn
				230					235					240
Cys	Tyr	Asp	Leu	Leu	Val	Arg	Lys	Lys	Arg	Leu	Ile	Val	Leu	Phe
				245					250					255
Ser	His	Trp	Leu	Leu	His	Ala	Tyr	Gly	Ile	Ile	Ser	Ile	Ser	Arg
				260					265					270
Val	Asp	Lys	Leu	Glu	Gln	Asp	Leu	Pro	Leu	Leu	Ala	Leu	Val	Pro
				275					280					285
Thr	Pro	Ala	Leu	Phe	Tyr	Leu	Phe	Thr	Ala	Lys	Phe	Thr	Glu	Pro
				290					295					300
Ser	Arg	Ile	Leu	Ser	Glu	Gly	Ala	Asn	Gly	His				
				305					310					

<210> 24  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2061330CD1

&lt;400&gt; 24

Met	Arg	Phe	Ile	Phe	Leu	Lys	Phe	Trp	Thr	Tyr	Thr	Val	Arg	Ala	
1				5					10					15	
Ser	Thr	Asp	Leu	Thr	Gln	Thr	Gly	Asp	Cys	Ser	Gln	Cys	Thr	His	
				20					25					30	
Gln	Val	Thr	Glu	Val	Gly	Gln	Gln	Ile	Lys	Thr	Ile	Phe	Leu	Phe	
				35					40					45	
Tyr	Ser	Tyr	Tyr	Glu	Cys	Met	Glu	Thr	Ile	Lys	Glu	Thr	Cys	Leu	
				50					55					60	
Tyr	Asn	Ala	Thr	Gln	Tyr	Lys	Val	Cys	Ser	Pro	Arg	Asn	Asp	Arg	
				65					70					75	
Pro	Asp	Val	Cys	Tyr	Asn	Pro	Ser	Glu	Pro	Pro	Ala	Pro	Pro	Phe	
				80					85					90	

Leu Lys

&lt;210&gt; 25

&lt;211&gt; 258

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2346947CD1

&lt;400&gt; 25

Met	Ala	Glu	Ser	Pro	Gly	Cys	Cys	Ser	Val	Trp	Ala	Arg	Cys	Leu	
1				5					10					15	
His	Cys	Leu	Tyr	Ser	Cys	His	Trp	Arg	Lys	Cys	Pro	Arg	Glu	Arg	
				20					25					30	
Met	Gln	Thr	Ser	Lys	Cys	Asp	Cys	Ile	Trp	Phe	Gly	Leu	Leu	Phe	
				35					40					45	
Leu	Thr	Phe	Leu	Leu	Ser	Leu	Ser	Trp	Leu	Tyr	Ile	Gly	Leu	Val	
				50					55					60	
Leu	Leu	Asn	Asp	Leu	His	Asn	Phe	Asn	Glu	Phe	Leu	Phe	Arg	Arg	
				65					70					75	
Trp	Gly	His	Trp	Met	Asp	Trp	Ser	Leu	Ala	Phe	Leu	Leu	Val	Ile	
				80					85					90	
Ser	Leu	Leu	Val	Thr	Tyr	Ala	Ser	Leu	Leu	Leu	Val	Leu	Ala	Leu	
				95					100					105	
Leu	Leu	Arg	Leu	Cys	Arg	Gln	Pro	Leu	His	Leu	His	Ser	Leu	His	
				110					115					120	
Lys	Val	Leu	Leu	Leu	Leu	Ile	Met	Leu	Leu	Val	Ala	Ala	Gly	Leu	
				125					130					135	
Val	Gly	Leu	Asp	Ile	Gln	Trp	Gln	Gln	Glu	Trp	His	Ser	Leu	Arg	
				140					145					150	
Val	Ser	Leu	Gln	Ala	Thr	Ala	Pro	Phe	Leu	His	Ile	Gly	Ala	Ala	
				155					160					165	
Ala	Gly	Ile	Ala	Leu	Leu	Ala	Trp	Pro	Val	Ala	Asp	Thr	Phe	Tyr	
				170					175					180	
Arg	Ile	His	Arg	Arg	Gly	Pro	Lys	Ile	Leu	Leu	Leu	Leu	Leu	Phe	
				185					190					195	
Phe	Gly	Val	Val	Leu	Val	Ile	Tyr	Leu	Ala	Pro	Leu	Cys	Ile	Ser	
				200					205					210	
Ser	Pro	Cys	Ile	Met	Glu	Pro	Arg	Asp	Leu	Pro	Pro	Lys	Pro	Gly	
				215					220					225	
Leu	Val	Gly	His	Arg	Gly	Ala	Pro	Met	Leu	Ala	Pro	Glu	Asn	Thr	
				230					235					240	
Leu	Met	Ser	Leu	Arg	Lys	Thr	Ala	Glu	Cys	Gly	Leu	Leu	Cys	Leu	
				245					250					255	

Arg Leu Met

<210> 26  
 <211> 226  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 2795577CD1

<400> 26  
 Met Lys Met Val Ala Pro Trp Thr Arg Phe Tyr Ser Asn Ser Cys  
 1 5 10 15  
 Cys Leu Cys Cys His Val Arg Thr Gly Thr Ile Leu Leu Gly Val  
 20 25 30  
 Trp Tyr Leu Ile Ile Asn Ala Val Val Leu Leu Ile Leu Leu Ser  
 35 40 45  
 Ala Leu Ala Asp Pro Asp Gln Tyr Asn Phe Ser Ser Ser Glu Leu  
 50 55 60  
 Gly Gly Asp Phe Glu Phe Met Asp Asp Ala Asn Met Cys Ile Ala  
 65 70 75  
 Ile Ala Ile Ser Leu Leu Met Ile Leu Ile Cys Ala Met Ala Thr  
 80 85 90  
 Tyr Gly Ala Tyr Lys Gln Arg Ala Ala Trp Ile Ile Pro Phe Phe  
 95 100 105  
 Cys Tyr Gln Ile Phe Asp Phe Ala Leu Asn Met Leu Val Ala Ile  
 110 115 120  
 Thr Val Leu Ile Tyr Pro Asn Ser Ile Gln Glu Tyr Ile Arg Gln  
 125 130 135  
 Leu Pro Pro Asn Phe Pro Tyr Arg Asp Asp Val Met Ser Val Asn  
 140 145 150  
 Pro Thr Cys Leu Val Leu Ile Ile Leu Leu Phe Ile Ser Ile Ile  
 155 160 165  
 Leu Thr Phe Lys Gly Tyr Leu Ile Ser Cys Val Trp Asn Cys Tyr  
 170 175 180  
 Arg Tyr Ile Asn Gly Arg Asn Ser Ser Asp Val Leu Val Tyr Val  
 185 190 195  
 Thr Ser Asn Asp Thr Thr Val Leu Leu Pro Pro Tyr Asp Asp Ala  
 200 205 210  
 Thr Val Asn Gly Ala Ala Lys Glu Pro Pro Pro Pro Tyr Val Ser  
 215 220 225  
 Ala

<210> 27  
 <211> 136  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 3255825CD1

<400> 27  
 Met Ile Ser Ile Thr Glu Trp Gln Lys Ile Gly Val Gly Ile Thr  
 1 5 10 15  
 Gly Phe Gly Ile Phe Phe Ile Leu Phe Gly Thr Leu Leu Tyr Phe  
 20 25 30  
 Asp Ser Val Leu Leu Ala Phe Gly Asn Leu Leu Phe Leu Thr Gly  
 35 40 45  
 Leu Ser Leu Ile Ile Gly Leu Arg Lys Thr Phe Trp Phe Phe Phe  
 50 55 60  
 Gln Arg His Lys Leu Lys Gly Thr Ser Phe Leu Leu Gly Gly Val  
 65 70 75

Val	Ile	Val	Leu	Leu	Arg	Trp	Pro	Leu	Leu	Gly	Met	Phe	Leu	Glu	
			80						85					90	
Thr	Tyr	Gly	Phe	Phe	Ser	Leu	Phe	Lys	Gly	Phe	Phe	Pro	Val	Ala	
			95						100					105	
Phe	Gly	Ser	Trp	Ala	Met	Ser	Ala	Thr	Ser	Pro	Ser	Trp	Val	Arg	
			110						115					120	
Cys	Ser	Gly	Asp	Phe	Lys	Ala	Leu	Ala	Arg	Trp	Ser	Glu	Lys	Gln	
			125						130					135	

Arg

&lt;210&gt; 28

&lt;211&gt; 458

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3393430CD1

&lt;400&gt; 28

Met	Ala	Trp	Ala	Ser	Arg	Leu	Gly	Leu	Leu	Leu	Ala	Leu	Leu	Leu	
1				5				10						15	
Pro	Val	Val	Gly	Ala	Ser	Thr	Pro	Gly	Thr	Val	Val	Arg	Leu	Asn	
				20				25						30	
Lys	Ala	Ala	Leu	Ser	Tyr	Val	Ser	Glu	Ile	Gly	Lys	Ala	Pro	Leu	
				35				40						45	
Gln	Arg	Ala	Leu	Gln	Val	Thr	Val	Pro	His	Phe	Leu	Asp	Trp	Ser	
				50				55						60	
Gly	Glu	Ala	Leu	Gln	Pro	Thr	Arg	Ile	Arg	Ile	Leu	Asn	Val	His	
				65				70						75	
Val	Pro	Arg	Leu	His	Leu	Lys	Phe	Ile	Ala	Gly	Phe	Gly	Val	Arg	
				80				85						90	
Leu	Leu	Ala	Ala	Ala	Asn	Phe	Thr	Phe	Lys	Val	Phe	Arg	Ala	Pro	
				95				100						105	
Glu	Pro	Leu	Glu	Leu	Thr	Leu	Pro	Val	Glu	Leu	Leu	Ala	Asp	Thr	
				110				115						120	
Arg	Val	Thr	Gln	Ser	Ser	Ile	Arg	Thr	Pro	Val	Val	Ser	Ile	Ser	
				125				130						135	
Ala	Cys	Ser	Leu	Phe	Ser	Gly	His	Ala	Asn	Glu	Phe	Asp	Gly	Ser	
				140				145						150	
Asn	Ser	Thr	Ser	His	Ala	Leu	Leu	Val	Leu	Val	Gln	Lys	His	Ile	
				155				160						165	
Lys	Ala	Val	Leu	Ser	Asn	Lys	Leu	Cys	Leu	Ser	Ile	Ser	Asn	Leu	
				170				175						180	
Val	Gln	Gly	Val	Asn	Val	His	Leu	Gly	Thr	Leu	Ile	Gly	Leu	Asn	
				185				190						195	
Pro	Val	Gly	Pro	Glu	Ser	Gln	Ile	Arg	Tyr	Ser	Met	Val	Ser	Val	
				200				205						210	
Pro	Thr	Val	Thr	Ser	Asp	Tyr	Ile	Ser	Leu	Glu	Val	Asn	Ala	Val	
				215				220						225	
Leu	Phe	Leu	Leu	Gly	Lys	Pro	Ile	Ile	Leu	Pro	Thr	Asp	Ala	Thr	
				230				235						240	
Pro	Phe	Val	Leu	Pro	Arg	His	Val	Gly	Thr	Glu	Gly	Ser	Met	Ala	
				245				250						255	
Thr	Val	Gly	Leu	Ser	Gln	Gln	Leu	Phe	Asp	Ser	Ala	Leu	Leu	Leu	
				260				265						270	
Leu	Gln	Lys	Ala	Gly	Ala	Leu	Asn	Leu	Asp	Ile	Thr	Gly	Gln	Leu	
				275				280						285	
Arg	Ser	Asp	Asp	Asn	Leu	Leu	Asn	Thr	Ser	Ala	Leu	Gly	Arg	Leu	
				290				295						300	
Ile	Pro	Glu	Val	Ala	Arg	Gln	Phe	Pro	Glu	Pro	Met	Pro	Val	Val	
				305				310						315	
Leu	Lys	Val	Arg	Leu	Gly	Ala	Thr	Pro	Val	Ala	Met	Leu	His	Thr	

Asn Asn Ala Thr	320	Asn Arg Leu Gln Pro	325	Phe Val Glu Val Leu Ala	330
	335		340		345
Thr Ala Ser Asn	350	Ser Ala Phe Gln Ser	355	Leu Phe Ser Leu Asp Val	360
	365		370		375
Val Val Asn Leu	380	Arg Leu Gln Leu Ser	385	Val Ser Lys Val Lys Leu	390
	395		400		405
Gln Gly Thr Thr	410	Ser Val Leu Gly Asp	415	Val Gln Leu Thr Val Ala	420
	425		430		435
Ser Ser Asn Val	440	Gly Phe Ile Asp Thr	445	Asp Gln Val Arg Thr Leu	450
	455				
Met Gly Thr Val		Phe Glu Lys Pro Leu		Leu Asp His Leu Asn Ala	
Leu Leu Ala Met		Gly Ile Ala Leu Pro		Gly Val Val Asn Leu His	
Tyr Val Ala Pro		Glu Ile Phe Val Tyr		Glu Gly Tyr Val Val Ile	
Ser Ser Gly Leu		Phe Tyr Gln Ser			

&lt;210&gt; 29

&lt;211&gt; 368

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3490990CD1

&lt;400&gt; 29

Met Phe Gly Gln Asn	1	Leu Glu Val Gln	10	Leu Ser Ser Ala Arg Thr	15
	5		10		15
Glu Asn Thr Thr Val	20	Val Trp Lys Ser	25	Phe His Asp Ser Ile Thr	30
	25		30		35
Leu Ile Val Leu Ser	35	Ser Glu Val Gly	40	Ile Ser Glu Leu Arg Leu	45
	40		45		50
Glu Arg Leu Leu Gln	50	Met Val Phe Gly	55	Ala Met Val Leu Leu Val	55
	55		60		60
Gly Leu Glu Glu Leu	65	Thr Asn Ile Arg	70	Asn Val Glu Arg Leu Lys	75
	70		75		80
Lys Asp Leu Arg Ala	80	Ser Tyr Cys Leu	85	Ile Asp Ser Phe Leu Gly	90
	85		90		95
Asp Ser Glu Leu Ile	95	Gly Asp Leu Thr	100	Gln Cys Val Asp Cys Val	105
	100		105		110
Ile Pro Pro Glu Gly	110	Ser Leu Leu Gln	115	Glu Ala Leu Ser Gly Phe	120
	115		120		125
Ala Glu Ala Ala Gly	125	Thr Thr Phe Val	130	Ser Leu Val Val Ser Gly	135
	130		135		140
Arg Val Val Ala Ala	140	Thr Glu Gly Trp	145	Trp Arg Leu Gly Thr Pro	150
	145		150		155
Glu Ala Val Leu Leu	155	Pro Trp Leu Val	160	Gly Ser Leu Pro Pro Gln	165
	160		165		170
Thr Ala Arg Asp Tyr	170	Pro Val Tyr Leu	175	Pro His Gly Ser Pro Thr	180
	175		180		185
Val Pro His Arg Leu	185	Leu Thr Leu Thr	190	Leu Leu Pro Ser Leu Glu	195
	190		195		200
Leu Cys Leu Leu Cys	200	Gly Pro Ser Pro	205	Pro Leu Ser Gln Leu Tyr	210
	205		210		215
Pro Gln Leu Leu Glu	215	Arg Trp Trp Gln	220	Pro Leu Leu Asp Pro Leu	225
	220		225		230
Arg Ala Cys Leu Pro	230	Leu Gly Pro Arg	235	Ala Leu Pro Ser Gly Phe	240
	235		240		245
Pro Leu His Thr Asp	245	Ile Leu Gly Leu	250	Leu Leu Leu His Leu Glu	255
	250		255		

Leu	Lys	Arg	Cys	Leu	Phe	Thr	Val	Glu	Pro	Leu	Gly	Asp	Lys	Glu
				260					265					270
Pro	Ser	Pro	Glu	Gln	Arg	Arg	Arg	Leu	Leu	Arg	Asn	Phe	Tyr	Thr
				275					280					285
Leu	Val	Thr	Ser	Thr	His	Phe	Pro	Pro	Glu	Pro	Gly	Pro	Pro	Glu
				290					295					300
Lys	Thr	Glu	Asp	Glu	Val	Tyr	Gln	Ala	Gln	Leu	Pro	Arg	Ala	Cys
				305					310					315
Tyr	Leu	Val	Leu	Gly	Thr	Glu	Glu	Pro	Gly	Thr	Gly	Val	Arg	Leu
				320					325					330
Val	Ala	Leu	Gln	Leu	Gly	Leu	Arg	Arg	Leu	Leu	Leu	Leu	Leu	Ser
				335					340					345
Pro	Gln	Ser	Pro	Thr	His	Gly	Leu	Arg	Ser	Leu	Ala	Thr	His	Thr
				350					355					360
Leu	His	Ala	Leu	Thr	Pro	Leu	Leu							
				365										

&lt;210&gt; 30

&lt;211&gt; 91

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3635154CD1

&lt;400&gt; 30

Met	Tyr	Gly	Lys	Ile	Ile	Phe	Val	Leu	Leu	Leu	Ser	Glu	Ile	Val
1				5					10					15
Ser	Ile	Ser	Ala	Ser	Ser	Thr	Thr	Gly	Val	Ala	Met	His	Thr	Ser
				20					25					30
Thr	Ser	Ser	Ser	Val	Thr	Lys	Ser	Tyr	Ile	Ser	Ser	Gln	Thr	Asn
				35					40					45
Gly	Glu	Thr	Gly	Gln	Leu	Val	His	Arg	Phe	Thr	Val	Pro	Ala	Pro
				50					55					60
Val	Val	Ile	Ile	Leu	Ile	Ile	Leu	Cys	Val	Met	Ala	Gly	Ile	Ile
				65					70					75
Gly	Thr	Ile	Leu	Leu	Phe	Ser	Tyr	Ser	Phe	Arg	Arg	Leu	Ile	Lys
				80					85					90
Gly														

&lt;210&gt; 31

&lt;211&gt; 295

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4374347CD1

&lt;400&gt; 31

Met	Gly	Pro	Pro	Ser	Ala	Cys	Pro	His	Arg	Glu	Cys	Ile	Pro	Trp
1				5					10					15
Gln	Gly	Leu	Leu	Leu	Thr	Ala	Ser	Leu	Leu	Thr	Phe	Trp	Asn	Ala
				20					25					30
Pro	Thr	Thr	Ala	Trp	Leu	Phe	Ile	Ala	Ser	Ala	Pro	Phe	Glu	Val
				35					40					45
Ala	Glu	Gly	Glu	Asn	Val	His	Leu	Ser	Val	Val	Tyr	Leu	Pro	Glu
				50					55					60
Asn	Leu	Tyr	Ser	Tyr	Gly	Trp	Tyr	Lys	Gly	Lys	Thr	Val	Glu	Pro
				65					70					75
Asn	Gln	Leu	Ile	Ala	Ala	Tyr	Val	Ile	Asp	Thr	His	Val	Arg	Thr
				80					85					90
Pro	Gly	Pro	Ala	Tyr	Ser	Gly	Arg	Glu	Thr	Ile	Ser	Pro	Ser	Gly



Asp	Leu	His	Phe	Gln	Asn	Val	Thr	Leu	Glu	Asp	Thr	Gly	Tyr	Tyr	95	100	105
				110					115						120		
Asn	Leu	Gln	Val	Thr	Tyr	Arg	Asn	Ser	Gln	Ile	Glu	Gln	Ala	Ser			
				125					130						135		
His	His	Leu	Arg	Val	Tyr	Glu	Ser	Val	Ala	Gln	Pro	Ser	Ile	Gln			
				140					145						150		
Ala	Ser	Ser	Thr	Thr	Val	Thr	Glu	Lys	Gly	Ser	Val	Val	Leu	Thr			
				155					160						165		
Cys	His	Thr	Asn	Asn	Thr	Gly	Thr	Ser	Phe	Gln	Trp	Ile	Phe	Asn			
				170					175						180		
Asn	Gln	Arg	Leu	Gln	Val	Thr	Lys	Arg	Met	Lys	Leu	Ser	Trp	Phe			
				185					190						195		
Asn	His	Val	Leu	Thr	Ile	Asp	Pro	Ile	Arg	Gln	Glu	Asp	Ala	Gly			
				200					205						210		
Glu	Tyr	Gln	Cys	Glu	Val	Ser	Asn	Pro	Val	Ser	Ser	Asn	Arg	Ser			
				215					220						225		
Asp	Pro	Leu	Lys	Leu	Thr	Val	Lys	Tyr	Asp	Asn	Thr	Leu	Gly	Ile			
				230					235						240		
Leu	Ile	Gly	Val	Leu	Val	Gly	Ser	Leu	Leu	Val	Ala	Ala	Leu	Val			
				245					250						255		
Cys	Phe	Leu	Leu	Leu	Arg	Lys	Thr	Gly	Arg	Ala	Ser	Asp	Gln	Ser			
				260					265						270		
Asp	Phe	Arg	Glu	Gln	Gln	Pro	Pro	Ala	Ser	Thr	Pro	Gly	His	Gly			
				275					280						285		
Pro	Ser	Asp	Ser	Ser	Asp	Ser	Ser	Ile	Ser								
				290					295								

&lt;210&gt; 32

&lt;211&gt; 724

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 4596747CD1

&lt;400&gt; 32

Met	Phe	Asp	Thr	Thr	Pro	His	Ser	Gly	Arg	Ser	Thr	Pro	Ser	Ser			
1				5					10					15			
Ser	Pro	Ser	Leu	Arg	Lys	Arg	Leu	Gln	Leu	Leu	Pro	Pro	Ser	Arg			
				20					25					30			
Pro	Pro	Pro	Glu	Pro	Glu	Pro	Gly	Thr	Met	Val	Glu	Lys	Gly	Ser			
				35					40					45			
Asp	Ser	Ser	Ser	Glu	Lys	Gly	Gly	Val	Pro	Gly	Thr	Pro	Ser	Thr			
				50					55					60			
Gln	Ser	Leu	Gly	Ser	Arg	Asn	Phe	Ile	Arg	Asn	Ser	Lys	Lys	Met			
				65					70					75			
Gln	Ser	Trp	Tyr	Ser	Met	Leu	Ser	Pro	Thr	Tyr	Lys	Gln	Arg	Asn			
				80					85					90			
Glu	Asp	Phe	Arg	Lys	Leu	Phe	Ser	Lys	Leu	Pro	Glu	Ala	Glu	Arg			
				95					100					105			
Leu	Ile	Val	Asp	Tyr	Ser	Cys	Ala	Leu	Gln	Arg	Glu	Ile	Leu	Leu			
				110					115					120			
Gln	Gly	Arg	Leu	Tyr	Leu	Ser	Glu	Asn	Trp	Ile	Cys	Phe	Tyr	Ser			
				125					130					135			
Asn	Ile	Phe	Arg	Trp	Glu	Thr	Thr	Ile	Ser	Ile	Gln	Leu	Lys	Glu			
				140					145					150			
Val	Thr	Cys	Leu	Lys	Lys	Glu	Lys	Thr	Ala	Lys	Leu	Ile	Pro	Asn			
				155					160					165			
Ala	Ile	Gln	Ile	Cys	Thr	Glu	Ser	Glu	Lys	His	Phe	Phe	Thr	Ser			
				170					175					180			
Phe	Gly	Ala	Arg	Asp	Arg	Cys	Phe	Leu	Leu	Ile	Phe	Arg	Leu	Trp			
				185					190					195			

Gln	Asn	Ala	Leu	Leu	Glu	Lys	Thr	Leu	Ser	Pro	Arg	Glu	Leu	Trp
				200					205					210
His	Leu	Val	His	Gln	Cys	Tyr	Gly	Ser	Glu	Leu	Gly	Leu	Thr	Ser
				215					220					225
Glu	Asp	Glu	Asp	Tyr	Val	Ser	Pro	Leu	Gln	Leu	Asn	Gly	Leu	Gly
				230					235					240
Thr	Pro	Lys	Glu	Val	Gly	Asp	Val	Ile	Ala	Leu	Ser	Asp	Ile	Thr
				245					250					255
Ser	Ser	Gly	Ala	Ala	Asp	Arg	Ser	Gln	Glu	Pro	Ser	Pro	Val	Gly
				260					265					270
Ser	Arg	Arg	Gly	His	Val	Thr	Pro	Asn	Leu	Ser	Arg	Ala	Ser	Ser
				275					280					285
Asp	Ala	Asp	His	Gly	Ala	Glu	Glu	Asp	Lys	Glu	Glu	Gln	Val	Asp
				290					295					300
Ser	Gln	Pro	Asp	Ala	Ser	Ser	Ser	Gln	Thr	Val	Thr	Pro	Val	Ala
				305					310					315
Glu	Pro	Pro	Ser	Thr	Glu	Pro	Thr	Gln	Pro	Asp	Gly	Pro	Thr	Thr
				320					325					330
Leu	Gly	Pro	Leu	Asp	Leu	Leu	Pro	Ser	Glu	Glu	Leu	Leu	Thr	Asp
				335					340					345
Thr	Ser	Asn	Ser	Ser	Ser	Ser	Thr	Gly	Glu	Glu	Ala	Asp	Leu	Ala
				350					355					360
Ala	Leu	Leu	Pro	Asp	Leu	Ser	Gly	Arg	Leu	Leu	Ile	Asn	Ser	Val
				365					370					375
Phe	His	Val	Gly	Ala	Glu	Arg	Leu	Gln	Gln	Met	Leu	Phe	Ser	Asp
				380					385					390
Ser	Pro	Phe	Leu	Gln	Gly	Phe	Leu	Gln	Gln	Cys	Lys	Phe	Thr	Asp
				395					400					405
Val	Thr	Leu	Ser	Pro	Trp	Ser	Gly	Asp	Ser	Lys	Cys	His	Gln	Arg
				410					415					420
Arg	Val	Leu	Thr	Tyr	Thr	Ile	Pro	Ile	Ser	Asn	Pro	Leu	Gly	Pro
				425					430					435
Lys	Ser	Ala	Ser	Val	Val	Glu	Thr	Gln	Thr	Leu	Phe	Arg	Arg	Gly
				440					445					450
Pro	Gln	Ala	Gly	Gly	Cys	Val	Val	Asp	Ser	Glu	Val	Leu	Thr	Gln
				455					460					465
Gly	Ile	Pro	Tyr	Gln	Asp	Tyr	Phe	Tyr	Thr	Ala	His	Arg	Tyr	Cys
				470					475					480
Ile	Leu	Gly	Leu	Ala	Arg	Asn	Lys	Ala	Arg	Leu	Arg	Val	Ser	Ser
				485					490					495
Glu	Ile	Arg	Tyr	Arg	Lys	Gln	Pro	Trp	Ser	Leu	Val	Lys	Ser	Leu
				500					505					510
Ile	Glu	Lys	Asn	Ser	Trp	Ser	Gly	Ile	Glu	Asp	Tyr	Phe	His	His
				515					520					525
Leu	Glu	Arg	Glu	Leu	Ala	Lys	Ala	Glu	Lys	Leu	Ser	Leu	Glu	Glu
				530					535					540
Gly	Gly	Lys	Asp	Ala	Arg	Gly	Leu	Leu	Ser	Gly	Leu	Arg	Arg	Arg
				545					550					555
Lys	Arg	Pro	Leu	Ser	Trp	Arg	Ala	His	Gly	Asp	Gly	Pro	Gln	His
				560					565					570
Pro	Asp	Pro	Asp	Pro	Cys	Ala	Arg	Ala	Gly	Ile	His	Thr	Ser	Gly
				575					580					585
Ser	Leu	Ser	Ser	Arg	Phe	Ser	Glu	Pro	Ser	Val	Asp	Gln	Gly	Pro
				590					595					600
Gly	Ala	Gly	Ile	Pro	Ser	Ala	Leu	Val	Leu	Ile	Ser	Ile	Val	Ile
				605					610					615
Cys	Val	Ser	Leu	Ile	Ile	Leu	Ile	Ala	Leu	Asn	Val	Leu	Leu	Phe
				620					625					630
Tyr	Arg	Leu	Trp	Ser	Leu	Glu	Arg	Thr	Ala	His	Thr	Phe	Glu	Ser
				635					640					645
Trp	His	Ser	Leu	Ala	Leu	Ala	Lys	Gly	Lys	Phe	Pro	Gln	Thr	Ala
				650					655					660
Thr	Glu	Trp	Ala	Glu	Ile	Leu	Ala	Leu	Gln	Lys	Gln	Phe	His	Ser

Val	Glu	Val	His	Lys	Trp	Arg	Gln	Ile	Leu	Arg	Ala	Ser	Val	Glu	665	670	675
				680					685						690		
Leu	Leu	Asp	Glu	Met	Lys	Phe	Ser	Leu	Glu	Lys	Leu	His	Gln	Gly	695	700	705
Ile	Thr	Val	Ser	Asp	Pro	Pro	Phe	Asp	Thr	Gln	Pro	Arg	Pro	Asp	710	715	720
Asp	Ser	Phe	Ser														

&lt;210&gt; 33

&lt;211&gt; 331

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5052680CD1

&lt;400&gt; 33

Met	Arg	Pro	Ala	Leu	Ala	Val	Gly	Leu	Val	Phe	Ala	Gly	Cys	Cys			
1				5					10					15			
Ser	Asn	Val	Ile	Phe	Leu	Glu	Leu	Leu	Ala	Arg	Lys	His	Pro	Gly			
				20					25					30			
Cys	Gly	Asn	Ile	Val	Thr	Phe	Ala	Gln	Phe	Leu	Phe	Ile	Ala	Val			
				35					40					45			
Glu	Gly	Phe	Leu	Phe	Glu	Ala	Asp	Leu	Gly	Arg	Lys	Pro	Pro	Ala			
				50					55					60			
Ile	Pro	Ile	Arg	Tyr	Tyr	Ala	Ile	Met	Val	Thr	Met	Phe	Phe	Thr			
				65					70					75			
Val	Ser	Val	Val	Asn	Asn	Tyr	Ala	Leu	Asn	Leu	Asn	Ile	Ala	Met			
				80					85					90			
Pro	Leu	His	Met	Ile	Phe	Arg	Ser	Gly	Ser	Leu	Ile	Ala	Asn	Met			
				95					100					105			
Ile	Leu	Gly	Ile	Ile	Ile	Leu	Lys	Lys	Arg	Tyr	Ser	Ile	Phe	Lys			
				110					115					120			
Tyr	Thr	Ser	Ile	Ala	Leu	Val	Ser	Val	Gly	Ile	Phe	Ile	Cys	Thr			
				125					130					135			
Phe	Met	Ser	Ala	Lys	Gln	Val	Thr	Ser	Gln	Ser	Ser	Leu	Ser	Glu			
				140					145					150			
Asn	Asp	Gly	Phe	Gln	Ala	Phe	Val	Trp	Trp	Leu	Leu	Gly	Ile	Gly			
				155					160					165			
Ala	Leu	Thr	Phe	Ala	Leu	Leu	Met	Ser	Ala	Arg	Met	Gly	Ile	Phe			
				170					175					180			
Gln	Glu	Thr	Leu	Tyr	Lys	Arg	Phe	Gly	Lys	His	Ser	Lys	Glu	Ala			
				185					190					195			
Leu	Phe	Tyr	Asn	His	Ala	Leu	Pro	Leu	Pro	Gly	Phe	Val	Phe	Leu			
				200					205					210			
Ala	Ser	Asp	Ile	Tyr	Asp	His	Ala	Val	Leu	Phe	Asn	Lys	Ser	Glu			
				215					220					225			
Leu	Tyr	Glu	Ile	Pro	Val	Ile	Gly	Val	Thr	Leu	Pro	Ile	Met	Trp			
				230					235					240			
Phe	Tyr	Leu	Leu	Met	Asn	Ile	Ile	Thr	Gln	Tyr	Val	Cys	Ile	Arg			
				245					250					255			
Gly	Val	Phe	Ile	Leu	Thr	Thr	Glu	Cys	Ala	Ser	Leu	Thr	Val	Thr			
				260					265					270			
Leu	Val	Val	Thr	Leu	Arg	Lys	Phe	Val	Ser	Leu	Ile	Phe	Ser	Ile			
				275					280					285			
Leu	Tyr	Phe	Gln	Asn	Pro	Phe	Thr	Leu	Trp	His	Trp	Leu	Gly	Thr			
				290					295					300			
Leu	Phe	Val	Phe	Ile	Gly	Thr	Leu	Met	Tyr	Thr	Glu	Val	Trp	Asn			
				305					310					315			
Asn	Leu	Gly	Thr	Thr	Lys	Ser	Glu	Pro	Gln	Lys	Asp	Ser	Lys	Lys			
				320					325					330			

Asn

&lt;210&gt; 34

&lt;211&gt; 398

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 5373575CD1

&lt;400&gt; 34

Met	Leu	Gly	Arg	Ser	Gly	Tyr	Arg	Ala	Leu	Pro	Leu	Gly	Asp	Phe
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Asp	Arg	Phe	Gln	Gln	Ser	Ser	Phe	Gly	Phe	Leu	Gly	Ser	Gln	Lys
			20						25					30
Gly	Cys	Leu	Ser	Pro	Glu	Arg	Gly	Gly	Val	Gly	Thr	Gly	Ala	Asp
			35						40					45
Val	Pro	Gln	Ser	Trp	Pro	Ser	Cys	Leu	Cys	His	Gly	Leu	Ile	Ser
			50						55					60
Phe	Leu	Gly	Phe	Leu	Leu	Leu	Leu	Val	Thr	Phe	Pro	Ile	Ser	Gly
			65						70					75
Trp	Phe	Ala	Leu	Lys	Ile	Val	Pro	Thr	Tyr	Glu	Arg	Met	Ile	Val
			80						85					90
Phe	Arg	Leu	Gly	Arg	Ile	Arg	Thr	Pro	Gln	Gly	Pro	Gly	Met	Val
			95						100					105
Leu	Leu	Leu	Pro	Phe	Ile	Asp	Ser	Phe	Gln	Arg	Val	Asp	Leu	Arg
			110						115					120
Thr	Arg	Ala	Phe	Asn	Val	Pro	Pro	Cys	Lys	Leu	Ala	Ser	Lys	Asp
			125						130					135
Gly	Ala	Val	Leu	Ser	Val	Gly	Ala	Asp	Val	Gln	Phe	Arg	Ile	Trp
			140						145					150
Asp	Pro	Val	Leu	Ser	Val	Met	Thr	Val	Lys	Asp	Leu	Asn	Thr	Ala
			155						160					165
Thr	Arg	Met	Thr	Ala	Gln	Asn	Ala	Met	Thr	Lys	Ala	Leu	Leu	Lys
			170						175					180
Arg	Pro	Leu	Arg	Glu	Ile	Gln	Met	Glu	Lys	Leu	Lys	Ile	Ser	Asp
			185						190					195
Gln	Leu	Leu	Leu	Glu	Ile	Asn	Asp	Val	Thr	Arg	Ala	Trp	Gly	Leu
			200						205					210
Glu	Val	Asp	Arg	Val	Glu	Leu	Ala	Val	Glu	Ala	Val	Leu	Gln	Pro
			215						220					225
Pro	Gln	Asp	Ser	Pro	Ala	Gly	Pro	Asn	Leu	Asp	Ser	Thr	Leu	Gln
			230						235					240
Gln	Leu	Ala	Leu	His	Phe	Leu	Gly	Gly	Ser	Met	Asn	Ser	Met	Ala
			245						250					255
Gly	Gly	Ala	Pro	Ser	Pro	Gly	Pro	Ala	Asp	Thr	Val	Glu	Met	Val
			260						265					270
Ser	Glu	Val	Glu	Pro	Pro	Ala	Pro	Gln	Val	Gly	Ala	Arg	Ser	Ser
			275						280					285
Pro	Lys	Gln	Pro	Leu	Ala	Glu	Gly	Leu	Leu	Thr	Ala	Leu	Gln	Pro
			290						295					300
Phe	Leu	Ser	Glu	Ala	Leu	Val	Ser	Gln	Val	Gly	Ala	Cys	Tyr	Gln
			305						310					315
Phe	Asn	Val	Val	Leu	Pro	Ser	Gly	Thr	Gln	Ser	Ala	Tyr	Phe	Leu
			320						325					330
Asp	Leu	Thr	Thr	Gly	Arg	Gly	Arg	Val	Gly	His	Gly	Val	Pro	Asp
			335						340					345
Gly	Ile	Pro	Asp	Val	Val	Val	Glu	Met	Ala	Glu	Ala	Asp	Leu	Arg
			350						355					360
Ala	Leu	Leu	Cys	Arg	Glu	Leu	Arg	Pro	Leu	Gly	Ala	Tyr	Met	Ser
			365						370					375
Gly	Arg	Leu	Lys	Val	Lys	Gly	Asp	Leu	Ala	Met	Ala	Met	Lys	Leu

380 385 390  
 Glu Ala Val Leu Arg Ala Leu Lys  
 395

<210> 35  
 <211> 220  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 5524468CD1

<400> 35  
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 1 5 10 15  
 Val Gly Leu Gly Thr Pro Asp Ser Glu Gly Phe Pro Pro Arg Ala  
 20 25 30  
 Leu His Asn Cys Pro Tyr Lys Cys Ile Cys Ala Ala Asp Leu Leu  
 35 40 45  
 Ser Cys Thr Gly Leu Gly Leu Gln Asp Val Pro Ala Glu Leu Pro  
 50 55 60  
 Ala Ala Thr Ala Asp Leu Asp Leu Ser His Asn Ala Leu Gln Arg  
 65 70 75  
 Leu Arg Pro Gly Trp Leu Ala Pro Leu Phe Gln Leu Arg Ala Leu  
 80 85 90  
 His Leu Asp His Asn Glu Leu Asp Ala Leu Gly Arg Gly Val Phe  
 95 100 105  
 Val Asn Ala Ser Gly Leu Arg Leu Leu Asp Leu Ser Ser Asn Thr  
 110 115 120  
 Leu Arg Ala Leu Gly Arg His Asp Leu Asp Gly Leu Gly Ala Leu  
 125 130 135  
 Glu Lys Leu Leu Leu Phe Asn Asn Arg Leu Val His Leu Asp Glu  
 140 145 150  
 His Ala Phe His Gly Leu Arg Ala Leu Ser His Leu Tyr Leu Gly  
 155 160 165  
 Cys Asn Glu Leu Ala Ser Phe Ser Phe Asp His Leu His Gly Leu  
 170 175 180  
 Ser Ala Thr His Leu Leu Thr Leu Asp Leu Ser Ser Asn Arg Leu  
 185 190 195  
 Gly His Ile Ser Val Pro Glu Leu Ala Ala Leu Pro Ala Phe Leu  
 200 205 210  
 Lys Asn Gly Leu Tyr Leu His Asp Asn Thr  
 215 220

<210> 36  
 <211> 706  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte ID No: 5944279CD1

<400> 36  
 Met Glu Glu Asn Pro Thr Leu Glu Ser Glu Ala Trp Gly Ser Ser  
 1 5 10 15  
 Arg Gly Trp Leu Ala Pro Arg Glu Ala Arg Gly Gly Pro Ser Leu  
 20 25 30  
 Ser Ser Val Leu Asn Glu Leu Pro Ser Ala Ala Thr Leu Arg Tyr  
 35 40 45  
 Arg Asp Pro Gly Val Leu Pro Trp Gly Ala Leu Glu Glu Glu Glu  
 50 55 60  
 Glu Asp Gly Gly Arg Ser Arg Lys Ala Phe Thr Glu Val Thr Gln  
 65 70 75

Thr	Glu	Leu	Gln	Asp	Pro	His	Pro	Ser	Arg	Glu	Leu	Pro	Trp	Pro
				80					85					90
Met	Gln	Ala	Arg	Arg	Ala	His	Arg	Gln	Arg	Asn	Ala	Ser	Arg	Asp
				95					100					105
Gln	Val	Val	Tyr	Gly	Ser	Gly	Thr	Lys	Thr	Asp	Arg	Trp	Ala	Arg
				110					115					120
Leu	Leu	Arg	Arg	Ser	Lys	Glu	Lys	Thr	Lys	Glu	Gly	Leu	Arg	Ser
				125					130					135
Leu	Gln	Pro	Trp	Ala	Trp	Thr	Leu	Lys	Arg	Ile	Gly	Gly	Gln	Phe
				140					145					150
Gly	Ala	Gly	Thr	Glu	Ser	Tyr	Phe	Ser	Leu	Leu	Arg	Phe	Leu	Leu
				155					160					165
Leu	Leu	Asn	Val	Leu	Ala	Ser	Val	Leu	Met	Ala	Cys	Met	Thr	Leu
				170					175					180
Leu	Pro	Thr	Trp	Leu	Gly	Gly	Ala	Pro	Pro	Gly	Pro	Pro	Gly	Pro
				185					190					195
Asp	Ile	Ser	Ser	Pro	Cys	Gly	Ser	Tyr	Asn	Pro	His	Ser	Gln	Gly
				200					205					210
Leu	Val	Thr	Phe	Ala	Thr	Gln	Leu	Phe	Asn	Leu	Leu	Ser	Gly	Glu
				215					220					225
Gly	Tyr	Leu	Glu	Trp	Ser	Pro	Leu	Phe	Tyr	Gly	Phe	Tyr	Pro	Pro
				230					235					240
Arg	Pro	Arg	Leu	Ala	Val	Thr	Tyr	Leu	Cys	Trp	Ala	Phe	Ala	Val
				245					250					255
Gly	Leu	Ile	Cys	Leu	Leu	Leu	Ile	Leu	His	Arg	Ser	Val	Ser	Gly
				260					265					270
Leu	Lys	Gln	Thr	Leu	Leu	Ala	Glu	Ser	Glu	Ala	Leu	Thr	Ser	Tyr
				275					280					285
Ser	His	Arg	Val	Phe	Ser	Ala	Trp	Asp	Phe	Gly	Leu	Cys	Gly	Asp
				290					295					300
Val	His	Val	Arg	Leu	Arg	Gln	Arg	Ile	Ile	Leu	Tyr	Glu	Leu	Lys
				305					310					315
Val	Glu	Leu	Glu	Glu	Thr	Val	Val	Arg	Arg	Gln	Ala	Ala	Val	Arg
				320					325					330
Thr	Leu	Gly	Gln	Gln	Ala	Arg	Val	Trp	Leu	Val	Arg	Val	Leu	Leu
				335					340					345
Asn	Leu	Leu	Val	Val	Ala	Leu	Leu	Gly	Ala	Ala	Phe	Tyr	Gly	Val
				350					355					360
Tyr	Trp	Ala	Thr	Gly	Cys	Thr	Val	Glu	Leu	Gln	Glu	Met	Pro	Leu
				365					370					375
Val	Gln	Glu	Leu	Pro	Leu	Leu	Lys	Leu	Gly	Val	Asn	Tyr	Leu	Pro
				380					385					390
Ser	Ile	Phe	Ile	Ala	Gly	Val	Asn	Phe	Val	Leu	Pro	Pro	Val	Phe
				395					400					405
Lys	Leu	Ile	Ala	Pro	Leu	Glu	Gly	Tyr	Thr	Arg	Ser	Arg	Gln	Ile
				410					415					420
Val	Phe	Ile	Leu	Leu	Arg	Thr	Val	Phe	Leu	Arg	Leu	Ala	Ser	Leu
				425					430					435
Val	Val	Leu	Leu	Phe	Ser	Leu	Trp	Asn	Gln	Ile	Thr	Cys	Gly	Gly
				440					445					450
Asp	Ser	Glu	Ala	Glu	Asp	Cys	Lys	Thr	Cys	Gly	Tyr	Asn	Tyr	Lys
				455					460					465
Gln	Leu	Pro	Cys	Trp	Glu	Thr	Val	Leu	Gly	Gln	Glu	Met	Tyr	Lys
				470					475					480
Leu	Leu	Leu	Phe	Asp	Leu	Leu	Thr	Val	Leu	Ala	Val	Ala	Leu	Leu
				485					490					495
Ile	Gln	Phe	Pro	Arg	Lys	Leu	Leu	Cys	Gly	Leu	Cys	Pro	Gly	Ala
				500					505					510
Leu	Gly	Arg	Leu	Ala	Gly	Thr	Gln	Glu	Phe	Gln	Val	Pro	Asp	Glu
				515					520					525
Val	Leu	Gly	Leu	Ile	Tyr	Ala	Gln	Thr	Val	Val	Trp	Val	Gly	Ser
				530					535					540
Phe	Phe	Cys	Pro	Leu	Leu	Pro	Leu	Leu	Asn	Thr	Val	Lys	Phe	Leu

Leu	Leu	Phe	Tyr	545	Leu	Lys	Lys	Leu	Thr	550	Leu	Phe	Ser	Thr	Cys	Ser	555
				560						565							570
Pro	Ala	Ala	Arg	575	Thr	Phe	Arg	Ala	Ser	580	Ala	Ala	Asn	Phe	Phe	Phe	585
Pro	Leu	Val	Leu	590	Leu	Leu	Gly	Leu	Ala	595	Ile	Ser	Ser	Val	Pro	Leu	600
Leu	Tyr	Ser	Ile	605	Phe	Leu	Ile	Pro	Pro	610	Ser	Lys	Leu	Cys	Gly	Pro	615
Phe	Arg	Gly	Gln	620	Ser	Ser	Ile	Trp	Ala	625	Gln	Ile	Pro	Glu	Ser	Ile	630
Ser	Ser	Leu	Pro	635	Glu	Thr	Thr	Gln	Asn	640	Phe	Leu	Phe	Phe	Leu	Gly	645
Thr	Gln	Ala	Phe	650	Ala	Val	Pro	Leu	Leu	655	Leu	Ile	Ser	Ser	Ile	Leu	660
Met	Ala	Tyr	Thr	665	Val	Ala	Leu	Ala	Asn	670	Ser	Tyr	Gly	Arg	Leu	Ile	675
Ser	Glu	Leu	Lys	680	Arg	Gln	Arg	Gln	Thr	685	Glu	Ala	Gln	Asn	Lys	Val	690
Phe	Leu	Ala	Arg	695	Arg	Ala	Val	Ala	Leu	700	Thr	Ser	Thr	Lys	Pro	Ala	705

Leu

&lt;210&gt; 37

&lt;211&gt; 466

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 6114480CD1

&lt;400&gt; 37

Met	Ala	Phe	Val	Leu	Ile	Leu	Val	Leu	Ser	Phe	Tyr	Glu	Leu	Val			
1				5					10					15			
Ser	Gly	Gln	Trp	Gln	Val	Thr	Gly	Pro	Gly	Lys	Phe	Val	Gln	Ala			
				20					25					30			
Leu	Val	Gly	Glu	Asp	Ala	Val	Phe	Ser	Cys	Ser	Leu	Phe	Pro	Glu			
				35					40					45			
Thr	Ser	Ala	Glu	Ala	Met	Glu	Val	Arg	Phe	Phe	Arg	Asn	Gln	Phe			
				50					55					60			
His	Ala	Val	Val	His	Leu	Tyr	Arg	Asp	Gly	Glu	Asp	Trp	Glu	Ser			
				65					70					75			
Lys	Gln	Met	Pro	Gln	Tyr	Arg	Gly	Arg	Thr	Glu	Phe	Val	Lys	Asp			
				80					85					90			
Ser	Ile	Ala	Gly	Gly	Arg	Val	Ser	Leu	Arg	Leu	Lys	Asn	Ile	Thr			
				95					100					105			
Pro	Ser	Asp	Ile	Gly	Leu	Tyr	Gly	Cys	Trp	Phe	Ser	Ser	Gln	Ile			
				110					115					120			
Tyr	Asp	Glu	Glu	Ala	Thr	Trp	Glu	Leu	Arg	Val	Ala	Ala	Leu	Gly			
				125					130					135			
Ser	Leu	Pro	Leu	Ile	Ser	Ile	Val	Gly	Tyr	Val	Asp	Gly	Gly	Ile			
				140					145					150			
Gln	Leu	Leu	Cys	Leu	Ser	Ser	Gly	Trp	Phe	Pro	Gln	Pro	Thr	Ala			
				155					160					165			
Lys	Trp	Lys	Gly	Pro	Gln	Gly	Gln	Asp	Leu	Ser	Ser	Asp	Ser	Arg			
				170					175					180			
Ala	Asn	Ala	Asp	Gly	Tyr	Ser	Leu	Tyr	Asp	Val	Glu	Ile	Ser	Ile			
				185					190					195			
Ile	Val	Gln	Glu	Asn	Ala	Gly	Ser	Ile	Leu	Cys	Ser	Ile	His	Leu			
				200					205					210			
Ala	Glu	Gln	Ser	His	Glu	Val	Glu	Ser	Lys	Val	Leu	Ile	Gly	Glu			
				215					220					225			

Thr	Phe	Phe	Gln	Pro	Ser	Pro	Trp	Arg	Leu	Ala	Ser	Ile	Leu	Leu
				230					235					240
Gly	Leu	Leu	Cys	Gly	Ala	Leu	Cys	Gly	Val	Val	Met	Gly	Met	Ile
				245					250					255
Ile	Val	Phe	Phe	Lys	Ser	Lys	Gly	Lys	Ile	Gln	Ala	Glu	Leu	Asp
				260					265					270
Trp	Arg	Arg	Lys	His	Gly	Gln	Ala	Glu	Leu	Arg	Asp	Ala	Arg	Lys
				275					280					285
His	Ala	Val	Glu	Val	Thr	Leu	Asp	Pro	Glu	Thr	Ala	His	Pro	Lys
				290					295					300
Leu	Cys	Val	Ser	Asp	Leu	Lys	Thr	Val	Thr	His	Arg	Lys	Ala	Pro
				305					310					315
Gln	Glu	Val	Pro	His	Ser	Glu	Lys	Arg	Phe	Thr	Arg	Lys	Ser	Val
				320					325					330
Val	Ala	Ser	Gln	Gly	Phe	Gln	Ala	Gly	Arg	His	Tyr	Trp	Glu	Val
				335					340					345
Asp	Val	Gly	Gln	Asn	Val	Gly	Trp	Tyr	Val	Gly	Val	Cys	Arg	Asp
				350					355					360
Asp	Val	Asp	Arg	Gly	Lys	Asn	Asn	Val	Thr	Leu	Ser	Pro	Asn	Asn
				365					370					375
Gly	Tyr	Trp	Val	Leu	Arg	Leu	Thr	Thr	Glu	His	Leu	Tyr	Phe	Thr
				380					385					390
Phe	Asn	Pro	His	Phe	Ile	Ser	Leu	Pro	Pro	Ser	Thr	Pro	Pro	Thr
				395					400					405
Arg	Val	Gly	Val	Phe	Leu	Asp	Tyr	Glu	Gly	Gly	Thr	Ile	Ser	Phe
				410					415					420
Phe	Asn	Thr	Asn	Asp	Gln	Ser	Leu	Ile	Tyr	Thr	Leu	Leu	Thr	Cys
				425					430					435
Gln	Phe	Glu	Gly	Leu	Leu	Arg	Pro	Tyr	Ile	Gln	His	Ala	Met	Tyr
				440					445					450
Asp	Glu	Glu	Lys	Gly	Thr	Pro	Ile	Phe	Ile	Cys	Pro	Val	Ser	Trp
				455					460					465

Gly

&lt;210&gt; 38

&lt;211&gt; 2801

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 112301CB1

&lt;400&gt; 38

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gctgctggac ctgggcacgt tgacaagatt tctctggggg accgcggagg attactttga 300
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<213> Homo sapiens

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<223> Incyte ID No: 997947CB1

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<223> a, t, c, g, or other

<400> 39

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&lt;210&gt; 40

&lt;211&gt; 968

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1521513CB1

&lt;400&gt; 40

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&lt;210&gt; 41

&lt;211&gt; 1837

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1863994CB1

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<210> 42

<211> 2124

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2071941CB1

<400> 42

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<211> 993  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 2172512CB1

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<212> DNA  
<213> Homo sapiens

<220>  
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&lt;220&gt;

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&lt;223&gt; Incyte ID No: 2656128CB1

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&lt;211&gt; 2167

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 5855841CB1

&lt;400&gt; 46

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&lt;211&gt; 1235

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 603462CB1

&lt;400&gt; 47

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&lt;210&gt; 48

&lt;211&gt; 2257

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 747681CB1

&lt;400&gt; 48

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&lt;211&gt; 2359

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 919469CB1

&lt;400&gt; 49

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&lt;211&gt; 2052

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&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 977658CB1

&lt;400&gt; 50

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&lt;211&gt; 1939

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 1004703CB1

&lt;400&gt; 51

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&lt;210&gt; 52

&lt;211&gt; 1138

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1334051CB1

&lt;400&gt; 52

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&lt;210&gt; 53

&lt;211&gt; 2117

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1336728CB1

&lt;400&gt; 53

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&lt;210&gt; 54

&lt;211&gt; 1495

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1452856CB1

&lt;400&gt; 54

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&lt;210&gt; 55

&lt;211&gt; 1747

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1562471CB1

&lt;400&gt; 55

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&lt;210&gt; 56

&lt;211&gt; 1473

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1618158CB1

&lt;400&gt; 56

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&lt;210&gt; 57

&lt;211&gt; 1591

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1656935CB1

&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 1858

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1859305CB1

&lt;400&gt; 58

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&lt;221&gt; unsure

&lt;222&gt; 30

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 62

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&lt;223&gt; Incyte ID No: 3255825CB1

&lt;400&gt; 64

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&lt;213&gt; Homo sapiens

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&lt;400&gt; 65

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&lt;211&gt; 1499

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&lt;400&gt; 66

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 4596747CB1

&lt;400&gt; 69

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&lt;213&gt; Homo sapiens

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&lt;400&gt; 71

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte ID No: 6114480CB1

&lt;400&gt; 74

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